



WL AB-2001 Medium Intensity Aviation Obstruction Light

Instruction Manual

Rev: 1.0V

Descriptions

The WL AB-2001 Medium intensity obstruction light for marking Towers (Telecom, GSM), Smokestacks, Buildings and any other potentially hazardous obstructions to air traffic with a flashing white and flashing red safety light.

The most important feature of WL AB-2001 is that it works as a dual light. It has a dual array / layers of Light Emitting Diodes (LEDs). During the day time, 1 of 2 LED arrays/layers work, using high powered white LED driver, giving 20,000cd flashing white light intensity and at night the other 2 of 2 LED array / layer works, which gives a flashing red light intensity of 2,000cd.



❖ *Above: The "WL AB-2001" White & Red Medium Intensity Aircraft Warning Light*

Main functions and features

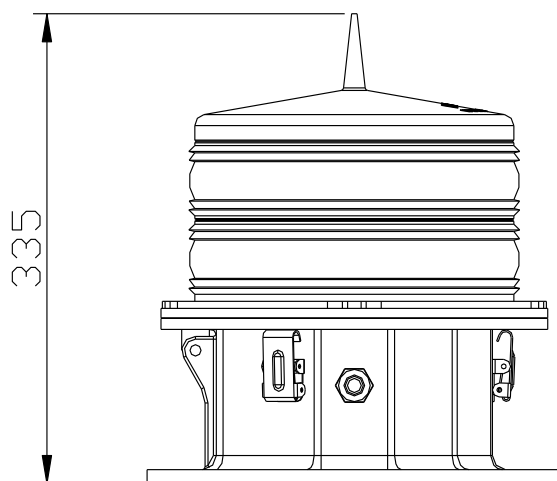
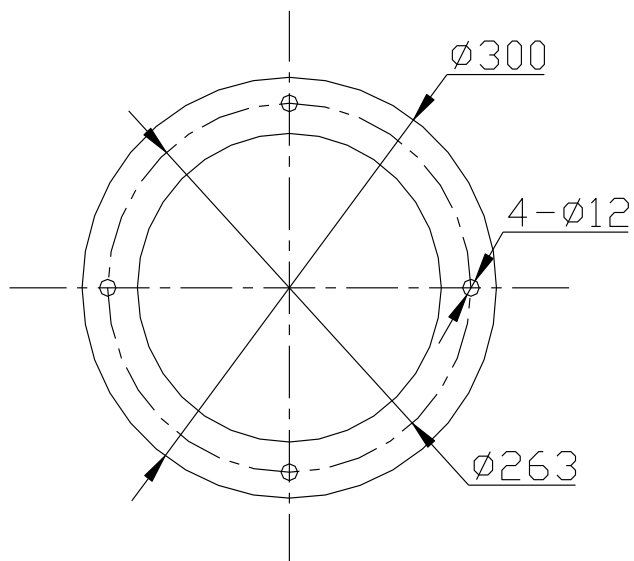
- Modular design and meets optics standard, compact size and high efficiency
- Based on LED technology
- Extremely Reliable — Major Maintenance Cost Saving
- Resistant to Shock and Vibrations
- Corrosion Resistant Lamp & Housing
- Self-contained wiring compartment—eliminates additional boxes
- Base material--Die casting aluminum LM6
- Reflector--ABS
- Combustibility rating: UL94V0
- IP protection: IP65
- Ambient temperature: -30°C - +60°C, can withstand the most severe environments
- Capable of being flashed or steady burning (to be mentioned in purchase order).
- Typical LED lifetime: ≥100, 000 hrs
- All LEDs are connected in parallel, which are powered by low voltage, constant current; when and if one LED fails, it will not affect other LEDs
- Bird repellent spike, molded on to lens / dome.
- With built in photocell
- Additional function: Flash synchronization by GPS function with other Delta flashing lights

Specifications

- Compliant to ICAO Standard (Annex 14) TYPE A/B and FAA standard L865 / 866
- Operating voltage: AC230V
- Dual Flashing
- Intensity: 20,000cd \pm 25% at day time (white colour)
2,000cd \pm 25% at night time (red colour)
- Horizontal degree: 360°
- Vertical degree: 3° mm
- Aviation white & red type
- LED life: \geq 100,000 hrs
- Operating temperature: -30°C - +60°C
- Visible distance: > 16.5Km(AT=0.85)
- IP protection: IP65

Installation

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Wiring:

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- Secure the light on a flat & smooth surface which has enough strength, if there is no mounting surface, we can customize special mounting bracket upon request.
- When installation, please stay away any nearby light source, at the same time, ensure that the photocell is not covered by any nearby object.
- Make sure the power supply can match the rated power of light before connecting.
- Undo the 3 latches just beneath the dome (on the neck of the light), and lift the dome to open.
- Insert the power cable from the cable gland and then terminate to the corresponding terminals inside the lamp base using suitable cable crimps (the terminals will be marked L – N – E).
- Verify whether the power cable is well connected before power on.
- After finishing the connection, close dome / cover to & re-clip the latches.

Notice

- Check whether the power cables are connected correctly before power on
- Temperature rise inside the control box is normal phenomenon
- Please do not open the control box by yourself
- This product is a sealed structure and should not be tampered with by anyone other than the registered installer
- Please use the product strictly on accordance with the instruction above

Delta Obstruction Lighting Ltd.
Delta House
Wrigley Street
Oldham
OL4 1SL
U.K
Tel:0044 (0) 161 7854940
Fax:0044 (0) 161 7854941