



# WL75 Twin Aviation Obstruction Light with integrated photo-cell

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## **Data & Specification Manual**

Rev: 1.1V

## **Description:**

WL75 Twin aviation obstruction light is specially designed for a wide variety of cranes used in Harbors, Metallurgies, Towers (Telecom, GSM), Smokestacks, Buildings and any other potentially hazardous obstructions to air traffic with a steady red safety light (flashing also available upon request).

The product consists of two single Delta WL75 aviation obstruction lights and a die cast aluminum light fitting, which houses the electronics and LED cluster, providing high luminance, stable performance, external long life, environmental protection, corrosion resistance, shockproof and ease of mount.



The WL75 Twin is composed of two separate parts:

1. Single aviation light WL75 (x 2)
2. Light fitting

## **Main functions and features**

- Employ cold rolled steel enclosure with powder-coat paint finishes, providing corrosion resistance and durability.
- Uses LED cluster as lamps, the life expectancy is more than 100,000 hours.
- Self-contained compartment, with stainless steel wire which is used to secure the unit against falling in operation, and ease of mount.
- Sealed construction, can withstand the harsh effects of the environment.
- Built-in micro monitoring controller unit, when and if the service light fails the controller switches on the standby light automatically
- Built-in photocell can switch ON/OFF the light at dawn and dusk.
- Flashing mode is also available.
- Lamp housing –Polycarbonate, with good anti-impact strength, thermal stability, high transmittance
- Extremely Reliable — Major Maintenance Cost Saving

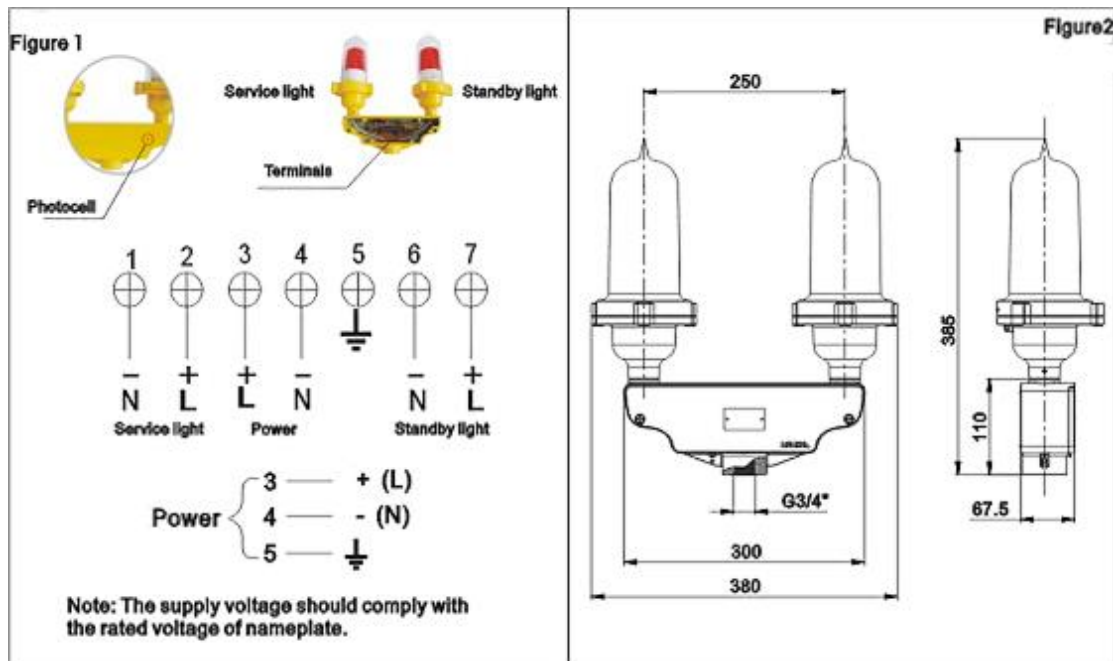
## Specifications

- Compliant to the ICAO (Aerodromes Annex 14) (Type A/B)
- Operating voltage: AC110V ~ AC220V DC20 ~ 60V (optional)
- Power frequency: 50Hz ~ 60Hz
- Power consumption: <5W x 2
- Steady burning
- Intensity: 32cd
- Horizontal degree: 360°
- Vertical degree: 10°
- LED life:  $\geq 100,000$  hrs
- Operating temperature: -30°C - +85°C
- IP Protection: IP66
- Weight: <4Kg
- Dimension: 380mm(W) \* 385mm(H)
- Visible distance: >3.5Km (AT=0.85)

## **Installation and Operation**

1. Verify whether the supply voltage and the rated voltage of the light match.
2. Secure the light fitting on the top of a structure using G3/4" ( G1" ) pipe (secure the light reliably against falling in operation)
3. Open the junction box cover, connect power cable and earth wire to corresponding terminals and then remount the cover.
4. Power on after verification of connection, the service light will light up, if and when the service light fails, the controller will switch on the standby light, at this time, the maintenance controller should check and replace the service light as soon as possible.

## **Terminal Connection Diagram & Mounting Dimension Drawing**



Note: Please use the product strictly on accordance with the instruction above.