

EMERGENCY LIGHT

MODEL: TWS LED L5 ST3 IP65

THANK YOU for buying this product. To help ensure it gives complete satisfaction please install it according to these instructions and then pass these instructions to the appropriate person for retention and future reference.

SAFETY This is a mains powered product. It is designed to be installed by suitably qualified personnel only and in accordance with the applicable building and electrical regulations. Before installation or maintenance the electrical supply to the product must be isolated.

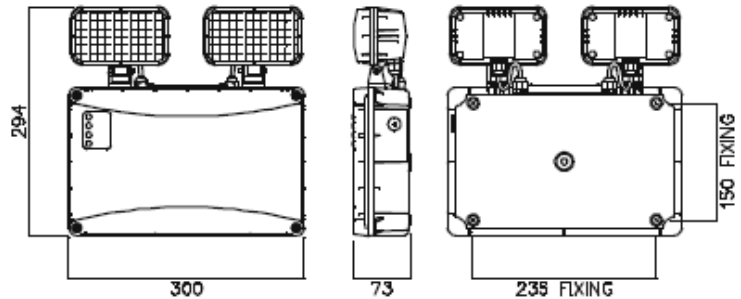
WARRANTY This product is warranted to be free of defects in materials, design and workmanship for 12 months from the date of purchase. If a suspected fault should develop in this time please contact the address above. The warranty does not extend to consumable items such as fuses.

INSTALLATION SUPPORT If installation advice or accessories are required please also contact us. We will do our best to help.

NOTE: INSTALLATION AND OPERATION OF THE LUMINAIRE BEYOND ITS SCOPE OF SUPPLY WILL INVALIDATE THE WARRANTY

LUMINAIRE INSTALLATION

1. Remove the front cover by loosening the four corner screws.
2. Secure the luminaire in position. If screw fixing, then this **MUST** be done using the 4-off "drill through" fixing points provided in back face of the base.
Note! Not using these points may result in the base splitting & the warranty will be void. It is also the installer's responsibility to ensure the fixing points are sealed to maintain the IP65 rating.
3. Drill the cable entry point on the side wall of the base & fit the cable gland provided, to maintain the IP65 rating.
4. Route the power supply cable through the cable gland to the terminal block. Terminate ensuring correct polarity is observed. If required, use the internal cable clamp to secure the mains cable.
5. Connect the battery to the PCB.
6. Refit the cover to the body.
7. Rotate & angle the lamp heads to required direction. The bolts/screws on the lamp heads may need to be loosened to do this – ensure they are re-tightened afterwards to hold position.
8. Reconnect the power supply. The green LED's on the front face for "Charge/Fault", "Lamp1 OK" & "Lamp2 OK" should now illuminate. These indicate the battery is charging & the lamps are healthy. If this does not happen, see section "Fault Indicators" below. **NOTE! The lamps will not illuminate at this point.**
9. The batteries should be allowed to charge for at least 24 hours before carrying out a full discharge test to check batteries are charging correctly & the maintained duration is being achieved.



FAULT INDICATORS

Faults on the product will be indicated both visually by the LED display on the front face & audibly via an internal sounder:

- **Battery** – If there is a battery failure or it is not connected properly, the "Charge/Fault" LED will flash once every 3 seconds & the sounder will give off a one beep cycle (beep – beep – beep...). The flash & beep will be in sync.
- **Lamp** – If there is a lamp failure or it is not connected properly, the "Lamp1" or "Lamp2" LED will go out, the "Charge/Fault" LED will flash 2 times every 3 seconds & the sounder will give off a two beep cycle (beep beep – beep beep – beep beep...). The flashes & beeps will be in sync.
- **Operation time failure during auto-test** – If the discharge time of the battery is less than the rated time, the "Charge/Fault" LED will flash 3 times every 3 seconds & the sounder will give off a three beep cycle (beep beep beep – beep beep beep – beep beep beep...). The flashes & beeps will be in sync.

OPERATION / MAINTENANCE

1. This luminaire **MUST** be disconnected before the circuit it is installed on is subjected to any high voltage or insulation resistance testing, otherwise irreparable damage will occur to luminaire components.
2. Ensure cleanliness of luminaires is maintained so as not to affect performance.



3. If required, the sounder can be disconnected by unplugging the small 2-pin connector on the internal PCB.
4. Maximum Ambient Temperature rating, Ta is 50° unless specified otherwise.
5. Excessive disconnection of the unswitched mains supply may result in premature battery failure or failure of the luminaire.
6. There are no user serviceable parts in the module.
7. Battery electrolyte can be harmful to eyes and open wounds. Care must be taken to avoid puncturing the case and allowing electrolyte to escape. If electrolyte touches the skin, flush with water.
8. Do not incinerate batteries.

SELF-TEST FUNCTION

1. When the user installs the emergency light according to the correct method, IC will select one day for annual test randomly between 200 and 365 Days.
2. IC will conduct the discharge test for 10 minutes automatically every month. Besides, IC will conduct the discharge test for 3 hours automatically every year.
3. Press the 'reset' for one second, the timing will be reset by IC.
4. Press the 'reset' for 3 seconds, IC will make simulative self-test for 5 minutes.
5. In the state of self-test, the tested items by IC show as below: the battery connects normally or not; the discharge time of battery; the lamp head connects normally or not.
6. When the light is in the normal working mode (the state of non-self-test), the green indicator works, the tested items by IC show as below: the battery connects normally or not; the lamp head connects normally or not.
7. When the above items don't work normally tested by IC, it will give out indication according to the following ways:
 - If the battery doesn't connect normally, the red indicator will flash once every 3 seconds;
 - If the lamp head doesn't connect normally, the red indicator will flash 2 times every 3 seconds.
 - If the discharge time of battery is less than the rated time, the red indicator will flash 3 times every 3 seconds. After repairs are completed, it won't eliminate the alarm status until it needs to connect AC power supply.