

## GENERAL INFORMATION

- 1) A qualified electrician, in accordance with IEE wiring regulations, should carry out connection to mains wiring.
- 2) Ensure that the rated voltage and frequency requirements are compatible with the available mains supply.
- 3) Cleaning of reflectors and lenses should be carried out using clean, soft and lint free cloths and anti-static cleaning fluid
- 4) Do not carry out high voltage insulation test, i.e. 500/1000v this may damage internal components.
- 5) We recommend use of a high temperature Copper Paste on all screws that need to be accessed during maintenance process, this will prolong the life of the fixings and reduce the force required to remove the screws.

## General Maintenance

To access the inside of the luminaire you will need to remove the 3 screws with a size 2.5 allen key. Remove the front of the luminaire to get access to the inside of product. Reverse the process to put close.

*Please note: All images shown are for illustration purposes and should be used as a reference guide only.*

## TECHNICAL SUPPORT

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# Marine LF Installation Leaflet



PK/LEAF/MARINLF

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## Specification

The marine LF is a small in ground surface uplighter with an external driver which must be ordered separately. This product can be run in series at 3.8W per head with a max of 4 luminaires at a max length of 50m (from driver to last fitting).

| Height<br>mm | Width<br>MAX<br>mm | Diameter<br>Front<br>mm |
|--------------|--------------------|-------------------------|
| 86           | 130                | 120                     |

Each Marine LF luminaire is shipped in two separate packages:

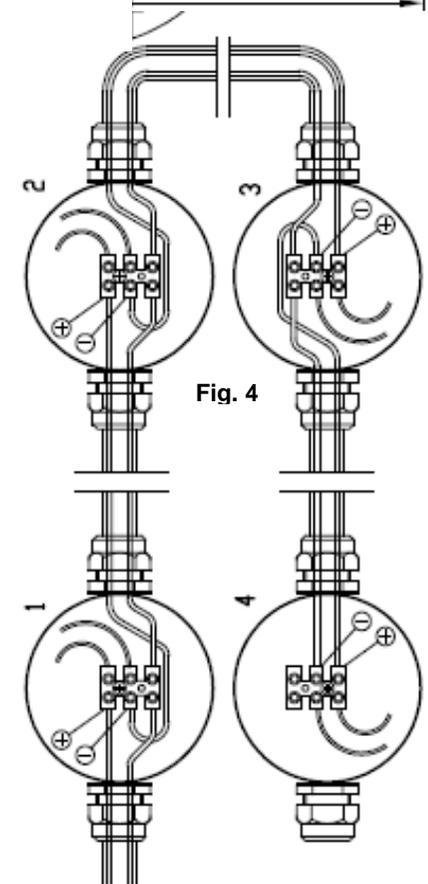
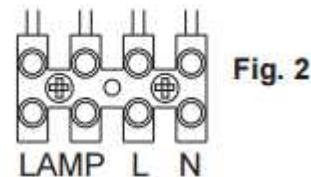
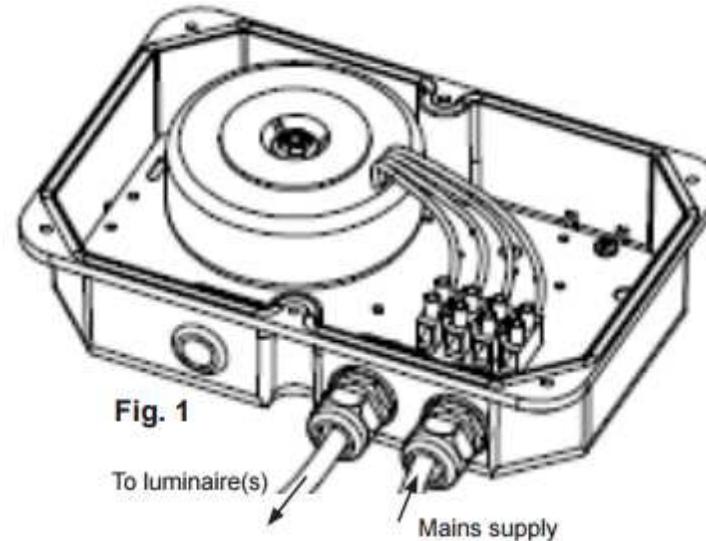
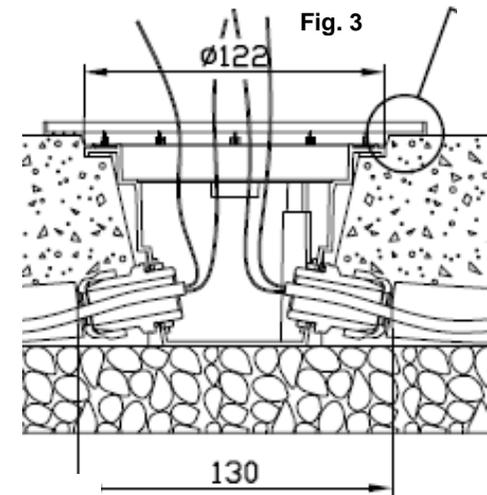
Before commencing installation, check contents of all cartons to ensure that all components are present and in good condition.

- 1) Main body
- 2) External Driver in waterproof box (Order separately)

## Installation Sequence

1. Identify the locations for luminaires and driver. A maximum of 4 luminaires can be operated from one driver.
2. Prepare a suitably sized hole for each luminaire with sufficient drainage below.
3. Run cables suitable for outdoor use between driver and luminaire(s) in a trench. Cables should be protected in line with the latest IEE regulations.
4. Wiring should be in line with Figure 3 opposite.
5. Remove the luminaire from its packaging, making sure all products are in good condition before installing.
6. Undo the 3 screws on the front face of the luminaire and then 2 further screws inside and lift out the led module and bracket.
7. Pull in a 2 core cable (max 4mm<sup>2</sup>) through the grommet on the side of the luminaire which will be wired into the connection block later. Continue the wiring on to other luminaires in the circuit if required follow the wiring diagram, (Fig 4). The cable's outer sheath should be cut back just inside the luminaire and the 2 individual cores left long.
8. Locate the luminaire housing into the prepared hole and pour concrete to fill the hole. The luminaire is supplied with a plastic levelling disc which can be removed once the concrete has set. Ensure all cable is in place before pouring in the concrete. See Fig. 3
9. Wire the 2 core cable into the connection block (Fig 4).
10. Replace the LED module and bracket using the 2 screws removed earlier.

11. Replace the outer frame using the 3 Allen screws, tightening gradually and in sequence. Ensure the gasket is clear of any dirt or debris to maintain a watertight seal. (Power tools must not be used to prevent damaging screw threads).
12. Select a location for the driver housing noting there are 4 screw points in the back of the box if required. Ensure any screw holes are protected from water ingress using appropriate seals.
13. Bring the 2 core cable from the luminaire(s) into the driver housing through the side grommet and wire into the connection block. (Fig.2)
14. Bring a 3 core mains supply into the driver housing and wire into the connection block and isolate the earth cable in a secure and safe manner.
15. Close the driver housing, ensuring the seals are clean and free of debris using the correct sequence of tightening so the seal is correct.
16. The mains supply can then be connected.



**3.8W POWERLED (MAX 4)**

