

INSTALLATION & MAINTENANCE MANUAL SPIKEW / SPIKEB



GENERAL INSTRUCTIONS

These instructions should be read carefully and retained after installation by the end user for future reference and maintenance.

**These instructions should be used to aid installation of the following products:
SPIKEW / SPIKEB**

SAFETY

- This product must be installed in accordance with the latest edition of the IEE Wiring Regulations (BS7671) and current Building Regulations. If in any doubt, consult a qualified electrician
- Please isolate mains prior to installation or maintenance
- Check the total load on the circuit (including when this luminaire is fitted) does not exceed the rating of the circuit cable, fuse or circuit breaker
- Please note the IP (Ingress Protection) rating of this luminaire when deciding the location for installation
- This product is Class III
- This product is IP65 rated

INSTALLATION

Note - If this luminaire is being used in conjunction with an external PIR or sensor, please confirm with the manufacturer of the sensors that they are compatible with LED luminaires

This product requires a 350mA constant current electrical supply. Irreparable damage will be caused if used with other electrical supplies (i.e. AC transformer or constant voltage supply)

It is essential that the fittings are connected to the constant current driver before the driver is connected to the mains supply. Failure to follow this instruction will result in damage to the fittings. (In the event of an open circuit on the secondary side, a constant current driver will “ramp up” to its maximum voltage. If the LED load is then connected, it will be connecting to a potentially damaging over-voltage. If the driver has been connected to the mains supply with an open circuit, ensure the output terminals of the driver are short circuited to discharge its internal capacitors before connecting the load.) For the same reason, the lights must not be switched on the low voltage side of the driver

- Provide power to the required point of installation (refer to BS7671 for correct cabling methods). Suitable IP rated junction boxes should be used where required
- Choose a position for the luminaire ensuring that the ground is suitable to firmly hold the spike and luminaire in position. Check that the ground is not liable to flooding and the spike does not infringe with any underground pipes or cables
- The body of the product should not rest directly on the ground
- The pre-installed cable supplied is for above-ground use only. Cables that are to be routed within walls or below ground must be protected by means of suitable conduit or trunking (see Fig. 1)

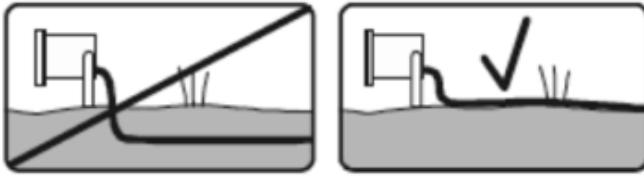


Fig. 1

- The spike of the luminaire is required to be pushed fully into the ground
- If installing outdoors, please ensure an RCD or RCBO is used
- The power source connections should be local and accessible via a suitable IP rated enclosure
- The fittings must be wired **IN SERIES** to the secondary side of the constant current driver (see Fig. 2). The minimum and maximum load of the driver must be observed
- We recommend that a maximum cable run of 10m of 0.75mm² CSA cable be used in the series circuit
- The junction box IP68JBS can be used for the connection of up to three fittings at a time

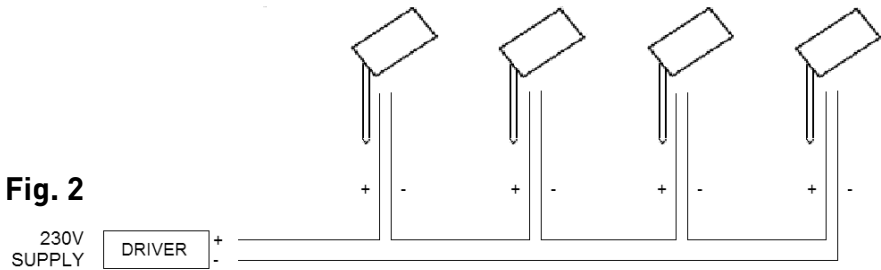


Fig. 2

- Connect the + (brown) and - (blue) ends of the series loop into the secondary terminals of the constant current driver
- Connect the constant current driver to the Live (brown) and Neutral (blue) of the mains supply
- Switch on and check for correct operation

WARNING

This product must be disconnected from the circuit if subjected to any high voltage or insulation resistance testing. Irreparable damage will occur if this instruction is not followed

Care must be taken if these fittings are required to be installed in a special location as defined by BS7671, this is because the maximum secondary voltage of the driver may exceed the maximum voltage requirements of the location

GENERAL

The LED lamps fitted in this product are non-replaceable. The unit should be recycled in the correct manner when it reaches the end of its life. Check local authorities for where facilities exist

Clean with a soft dry cloth only, do not use aggressive cleaning products or solvents which may damage the product

Do not use any source of high pressure washers to maintain or clean this luminaire

This product is not suitable for installation in or near a coastal or marine environment

A light film of acid free oil is recommended after installation and maintained periodically (2-3 times a year) to aid corrosion prevention

This product is non-dimmable

WARRANTY

This product has a warranty of 1 year from date of purchase. Failure to install this product in accordance with the current edition of the IEE Wiring Regulations (BS7671), improper use, or removal of the batch codes will invalidate the warranty. If this product should fail within its warranty period it should be returned to the place of purchase for a free of charge replacement. ML Accessories does not accept responsibility for any installation costs associated with the replacement product. Your statutory rights are not affected. ML Accessories reserve the right to alter product specification without prior notice



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