

Luneta Low Voltage IP 68 Stone finish Rock Kit

AR0352N Ed 3

Installation and Assembly Instructions for kit GLLSROK3 with three GLLSRO stone effect rocks.

IMPORTANT SAFETY INSTRUCTIONS

Before starting any electrical work, maintenance or lamp replacement, always switch OFF the mains supply. Then remove the appropriate fuse or switch off the appropriate circuit breaker.

This fitting should be installed by a competent person (i.e. qualified electrician), and wired in accordance with the current edition of the IEE Wiring regulations. (BS7671 Requirements for Electrical Installation) and appropriate statutory regulations.

A transformer must always be used to run the light fittings. Under no circumstances wire the light fittings directly to the mains.

These instructions must be read before using any of the products. Ignoring them may lead to permanent damage and disappointment. Please retain for future reference.

Transformers

This kit is supplied with a Luneta GLLTR60 transformer. The only garden cable that can be used with this transformer is supplied with the kit.

The transformer must be connected to a suitable mains socket outlet and installed indoors or in a dry outbuilding.

The total load (the Watts of each connected fitting added together) must not exceed the rating of the transformer.

Do not switch on the transformer until the fittings are connected.

Overloading or short circuiting the 60 Watt GLLTR60 transformer will result in the internal thermal fuse operating, which cannot be reset. The transformer is not repairable and will have to be discarded if the thermal fuse operates. Do not open or modify the transformer or anything connected to it. Doing so will invalidate safety approvals and make it unsafe.

Other Luneta Low Voltage Gardenlights may be added up to a maximum total wattage of 60W, i.e. 30W total for this kit, 30W more can be added.

The transformer mains cable is permanently attached to the transformer and the mains plug. If the cable is damaged the transformer must be discarded.

To change the plug fitted to the transformer rewire using the instructions supplied with the new plug.

Note, the transformer must be fitted with a 13A plug complying with BS 1363. The plug must be fitted with a 3A rated BS 1362 fuse.

It is important to note that the transformer is double insulated and no earth connection is required. **Do not therefore connect either wire to an earth terminal.**

The wires in the cable are coloured in accordance with the following code;

BLUE: NEUTRAL

BROWN: LIVE

As the colours of the wires in the mains cable may differ from that shown in the new plug, proceed as follows;

The wire that is coloured **Blue** must be connected to the terminal marked with the letter **N** or coloured **Black**.

The wire that is coloured **Brown** must be connected to the terminal marked with the letter **L** or coloured **Red**.

Planning the layout

Do not place the transformer where it may be tripped over, damaged or cause a hazard.

At this stage do not plug the transformer in to the mains socket and the low voltage cable should not be connected.

To avoid drilling a large hole for the low voltage cable plug if it has to pass through a wall, doorframe or window frame, drill a hole large enough for the cable and pass through from the inside.

Lay out the low voltage cable to the approximate position of the fittings. Do not shorten the cable if it is too long, as you may later want to alter the layout.

Route the cable to make sure that it is not placed where gardening tools and mowers etc can accidentally damage it, on the surface of drives where vehicles can drive over it or over pathways causing a trip hazard.

When the low voltage cable is in place and the light fittings assembled, installed and connected (see below) plug the other end into the transformer and switch on (figure 1).

If the system does not work, check the following:

- There is nothing wrong with the power supply.
- The pin contacts have pierced through the cable insulation to make contact with conductors.
- The lamps are not broken.

To reposition a fitting or if the connector is in the wrong place switch off the transformer and use a small flat bladed screwdriver to prise back the sides of the connector and lift out the cables. The connector can be reused several times.

Connect the fittings at any position along the cable; do not exceed the maximum rating of the transformer.

Assembly of the fitting

PLEASE READ THIS SECTION

Please refer to the drawing overleaf.

The fittings require no assembly from new but before use underwater the screws should be gently retightened. Following these notes is essential to prevent water ingress after replacing lamps.

Only use 12v 10W MR11 lamps. Ensure all the parts are dry before reassembly, the sealing ring is in place around the glass, and the pressure plate correctly seated. Hold the pressure plate down when tightening the screws to ensure the seal is fully seated. Tighten the screws evenly - do not over tighten.

Installing the fitting.

PLEASE READ THIS SECTION

Underwater use

These fittings are primarily designed for use on the ground. They are also designed for use underwater to a maximum depth of 50 centimetres, approx 18 inches (IP 68 rating).

The cable connectors must not be used underwater.

If the normal, long-term use of the fitting is underwater, it should be put into position and only lit when submerged. Above water it should only be lit for testing.

Do not use at greater than 50 cm depth, approx 18 inches. Deeper submersion will cause water to leak into the sealed section, causing irreparable damage to the electrical parts. Only the metal cup assembly is watertight. The body of the fitting will flood. This is intentional.

If the normal, long term use of the fitting is above water, subsequent use underwater should be avoided.

Do not put the fitting in water when it is operating or when it is hot..

Connecting light fittings

Only fittings from the Luneta Low Voltage Gardenlight range should be connected.

Connect the cable from the fittings to the garden cable using the connectors supplied, according to Figure 2 overleaf.

The light fitting cable (2) is attached to the garden cable (1) using the connector provided. DO NOT REMOVE THE INSULATION FROM THE CABLE. Ensure the wires are correctly positioned before finally pressing the two parts (a & b) of the connector firmly together.

Wrap a piece of PVC insulating tape around the bare end of the thick cable (1) to protect it from moisture. If the cable end is allowed to rest on the ground or become wet, it could cause a short circuit and render the transformer permanently inoperable.

Other Luneta Low Voltage Gardenlights may be added up to a maximum total wattage of 60W.
 For example, this kit uses 30W of the 60W the transformer can supply.
 You can add three more 10W fittings, or one 20W and one 10W fitting.
Do not exceed 60W total.
 Cable connectors SPT-1 to SPT-1, part no. GLLJ11 will be needed to connect extra fittings. These can be obtained from your Luneta stockist.

