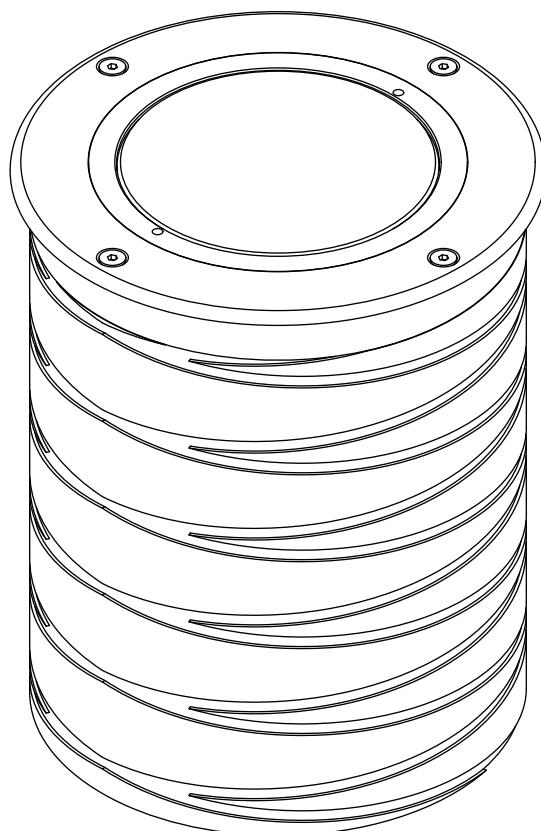


STOANE LIGHTING

EQUIPMENT DESIGN + MANUFACTURE

Badger Type X Install Sleeve

Installation and Maintenance Instructions



IMPORTANT: All wiring connections must be made before switching on mains power.

 Xicato LED Module

 This product should not be disposed of in your general waste

 Please retain these instructions for future reference

 Class III - Extra Low Voltage

 IP66 Dust tight and protected against powerful jets of water.

 European Conformity

Electrical Supply

Installation must be carried out by a qualified electrician in accordance with BS 7671:2008 Wiring Regulations.

230/240V AC 50/60Hz mains supply to a suitable SELV LED Driver.

Ground recessed luminaire suitable for use in Zone 2 applications as defined by BS EN 60598-2-13 table A1. Suitable for use in restricted accessible areas (e.g. pedestrians and pedal cycles only).

Site conditions: LED equipment is more susceptible to static damage and overvoltage than previous technology. Before handling or connecting to the mains supply ensure that all MSL products are protected from static discharge and that the mains supply is to regulation. (230V +10 -6%)

This fitting is supplied with a Xicato LED module. Refer to the fitting label for the module version and wattage. More information on the module can be found at www.xicato.com/support

Mains cables must be double insulated, strain relieved and separated from E.L.V output cables.

If using the Xicato XTM Module;
This unit requires a constant current driver. 700mA Max.

If using the Xicato XIM Module;
This unit requires a 48V constant voltage driver.

Observe polarity:

Positive (+) is marked as RED.

Incorrect supply or reverse polarity can cause irreparable damage.

All connections must be made before switching on mains.
If the supply is energised prior to making the connections to the fitting then the resulting surge will damage the LED.

All lighting equipment is delicate and easily damaged through misuse or inappropriate installation (mechanical or electrical). Repairs and replacements may cause delays and will be chargeable. Contact MSL for support if required. For full warranty terms & conditions please visit our website.

The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

The entire dimming control circuit source must be of SELV insulation class.

Max exposed surface temperature 45°C at 25°C ambient.

Installation

Check that the mounting surface is suitable for the installation of this fitting. Max static load 5kN.

A 142mm diameter hole is required for mounting.

Step 1 Secure the installation sleeve so that it is flush with the pre-cut hole and fill in any gaps (well drained ground is required).

Step 2 Make mains connections to SELV LED driver and extra low voltage connections to the fitting.

Step 3 Push the fitting fully home into the installation sleeve and secure in place with the supplied fixings.

After opening the sealed portion of the luminaire for any reason, MSL recommends running the fitting for 15 minutes with the lid open to expel moisture before closing it up. This will prevent condensation on the lens and protect the fitting from corrosion.

Ensure supply driver and connectors are housed indoors OR in a suitably IP rated enclosure. Cable ends must be suitably waterproofed. Inspect supply cables before installation to ensure there is no damage which will allow water to enter the fitting.

The IP rating stated is applicable only when the fitting has been installed as per these instructions.

Care must be taken when handling any ingress protection seals, glands or "O" rings to ensure they are kept clean, unblemished and replaced exactly in their required location and suitably fastened home.

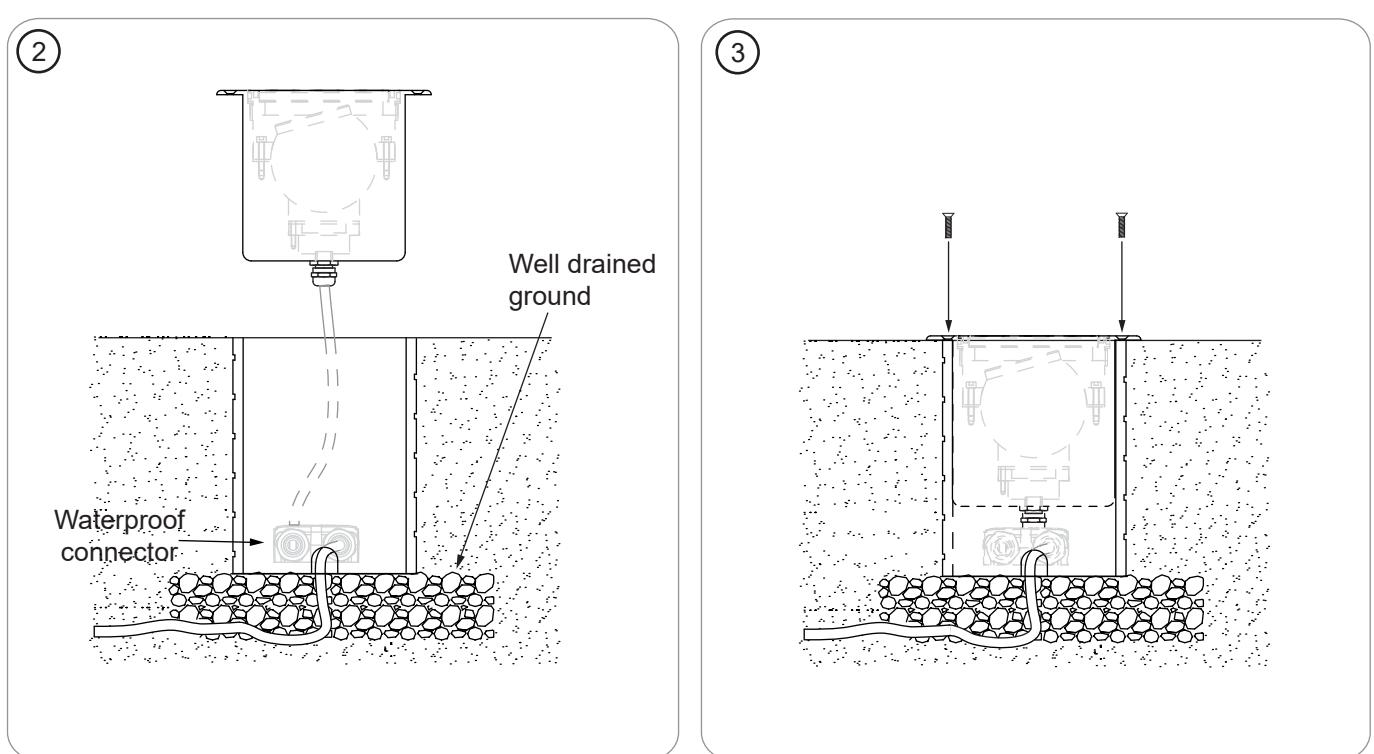
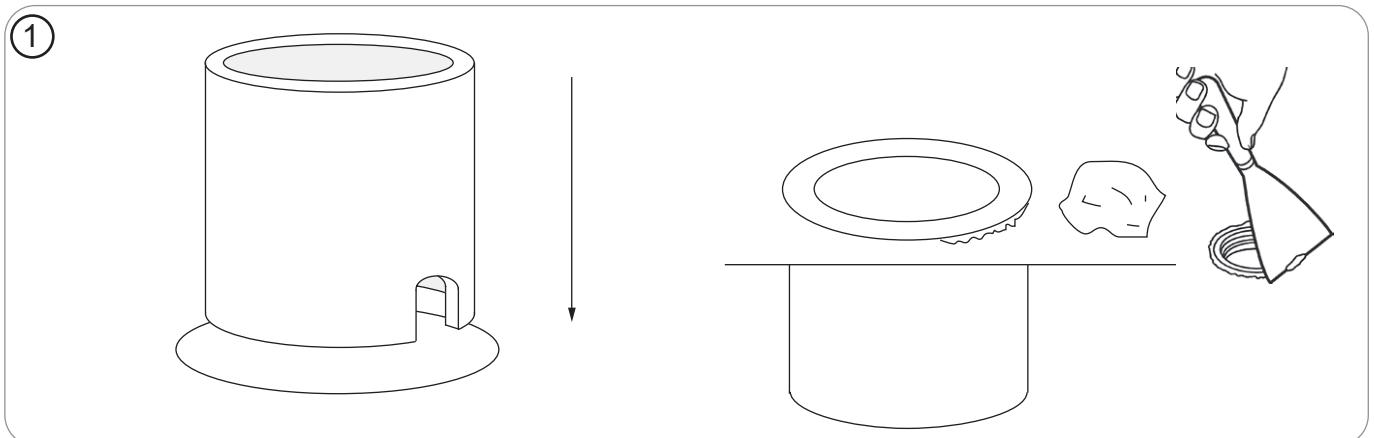
WARNING: Do not look at exposed LED lamps in operation. Eye injury can result.

Cleaning:

Fully isolate the fitting and allow to cool.

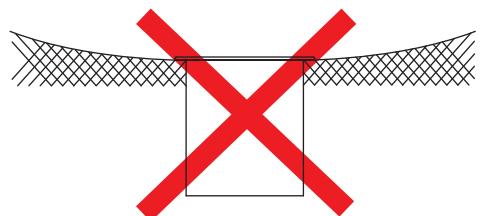
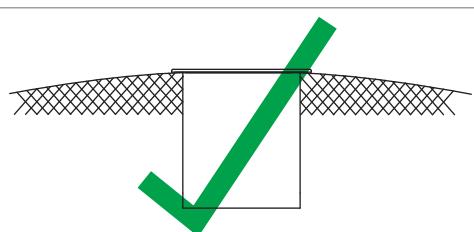
Clean the fitting with a slightly damp lint free cloth from a mild solution of soap and water. The fitting must be completely dry before reconnecting power.

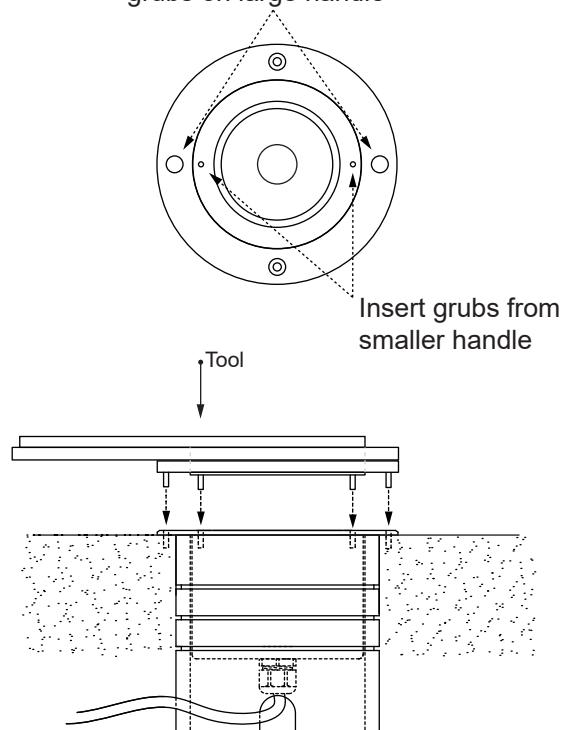
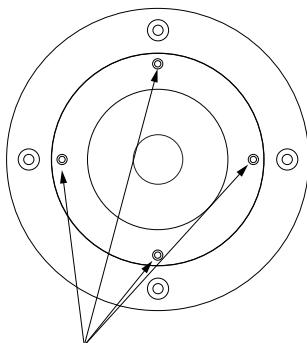
Incompatible or abrasive chemicals can damage the fitting, contact MSL for advice if required.



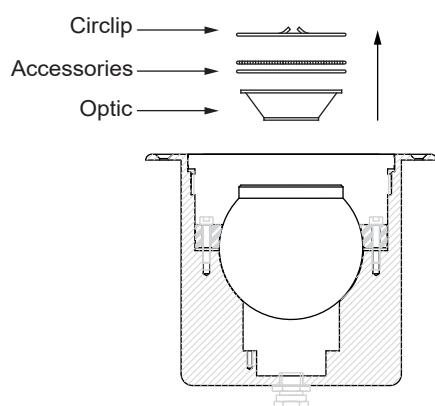
Install in well drained ground

**Surface Gradient must run away
from the fitting**



1Remove fixings and insert
grubs on large handle**2**

Loosen screws (3mm allen key required)

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Tilt and Pan Adjustment

This fitting should only be opened in a dry environment.

Step 1 Remove two opposing fixings from the install sleeve. Insert the grubs of the larger ring of the supplied tool into the holes left by the removed fixings. Insert the grubs from the smaller ring into the holes on the front bezel. Twist the small handle anti-clockwise to unscrew bezel.

Step 2 Loosen the four screws securing the lamp tube and adjust the tilt and pan as needed.

Step 3 If the adjustment tool is required, remove the circlip, accessories and optic.

Step 4 Use the supplied tool to adjust the ball to the correct orientation.

Once the fitting has been adjusted, reverse the procedure making sure to tighten the bezel until it is flush with the body of the fitting.

Note that the heatsink ball is designed to be a tight fit against the body of the fitting for thermal purposes. Depending on environmental factors, the ball may require additional force to be released from the body before adjustment.

Ensure the O-ring sits neatly, is not twisted, stretched or deformed in any way and sits neatly in its groove. It must be free from debris of any kind. If needed, remove the O-ring, clean it and the groove and replace with fresh grease (spec - loctite superlube). Failure to do so may result in water ingress and premature failure of the luminaire.

Care should be taken to make sure the threads do not become contaminated with dirt.

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