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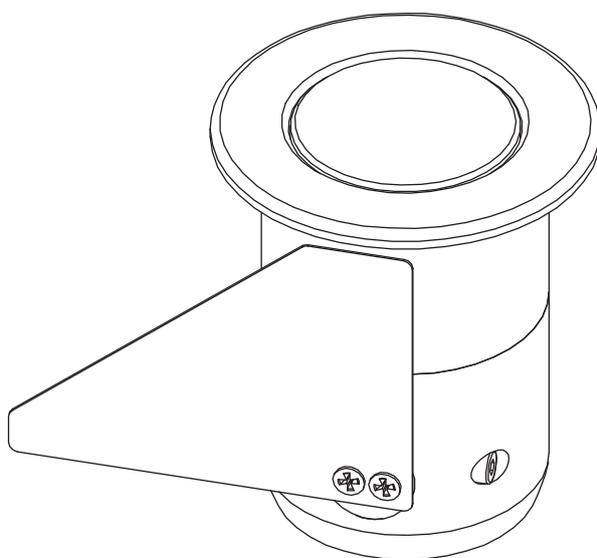
STOANE LIGHTING

EQUIPMENT DESIGN + MANUFACTURE



Mole

Installation and Maintenance Instructions



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



SL Star 2.9V_F 2W @ 700mA



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

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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).

This fitting is not suitable for Vehicular loading/traffic.

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

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

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

This unit requires a constant current driver. 700mA Max.

**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.

Multiple LEDs should be wired in series, refer to driver instructions for minimum/maximum load.

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

If the external flexible cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or similar qualified person in order to avoid a hazard.

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

Installation

Check that the mounting surface is suitable for the installation of this fitting. If installed in solid ground then additional drainage must be provided (e.g. a bed of gravel). Max static load 5kN.

A 33mm diameter hole is required for this fitting.

Step 1 Make mains connections to SELV LED driver and extra low voltage connections to the fitting.

Step2 Insert cables through mounting hole, press the fin in and push into the hole. The fin should spring out holding the fitting in place.

Secure unit in place using silicone adhesive or similar if the fitting is not supplied with a 'fin'.

If using the 'fin' retaining method in walls/ceiling thinner than 9mm then an adhesive may be required to secure fitting.

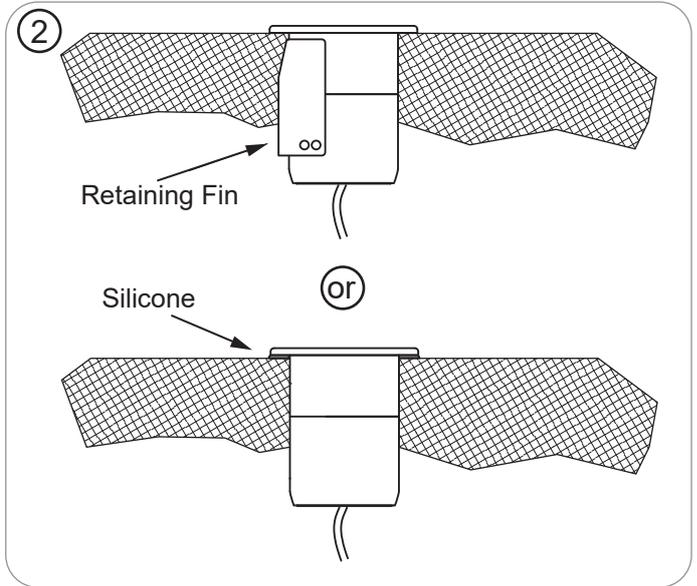
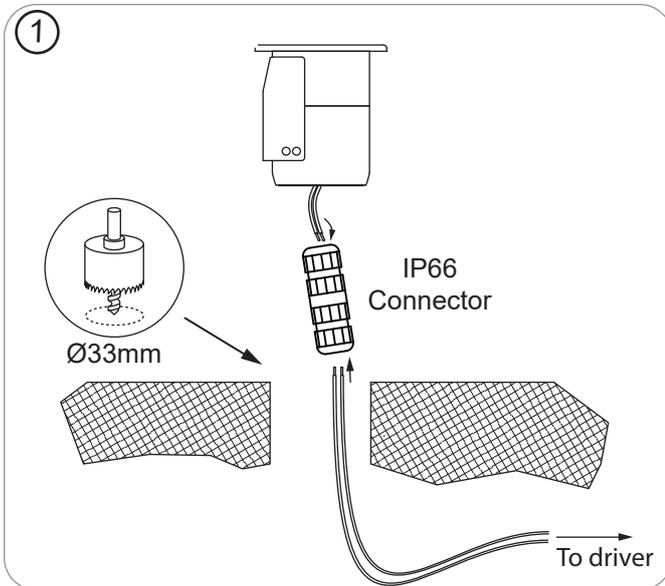
Ensure supply driver and connectors are housed indoors OR in a suitably IP rated enclosure. Cable ends must be suitably waterproofed. Inspect supply cables before installation to ensure there is no damage which will allow water to enter the fitting.

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.

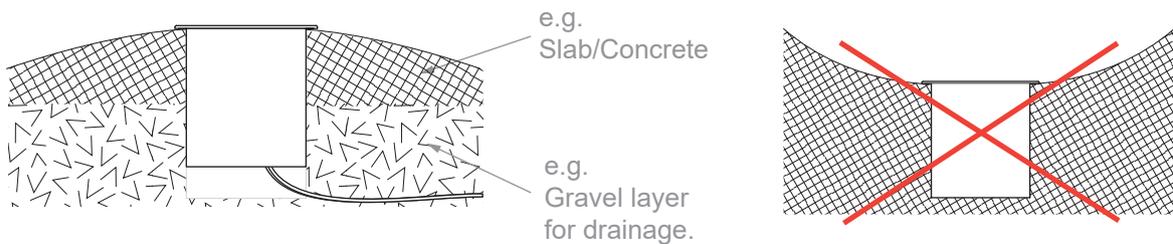
After opening the sealed portion of the luminaire for any reason, SL recommends running the fitting for 15 minutes with the lid open to expel moisture before closing it up. This will prevent condensation on the lens and protect the fitting from corrosion.

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

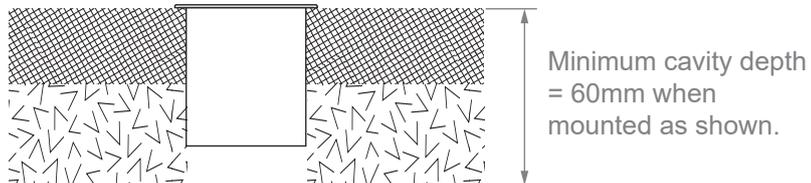
WARNING: Do not look at exposed LED lamps in operation. Eye injury can result.



Surface gradient must run away from the fitting.



If installing in solid ground, additional drainage must be provided (e.g. a bed of gravel as shown).



Maintenance:

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 SL for support if required.

All Stoane Lighting products are covered by a five year Warranty and a 25 year Duty of Care. Products are designed to be upgraded, adapted and refreshed using our comprehensive ReNew service. For more information on our ReNew service and for full Warranty terms and conditions visit stoanelighting.com or contact us at the address shown.

Cleaning:

Fully isolate the fitting and allow to cool.

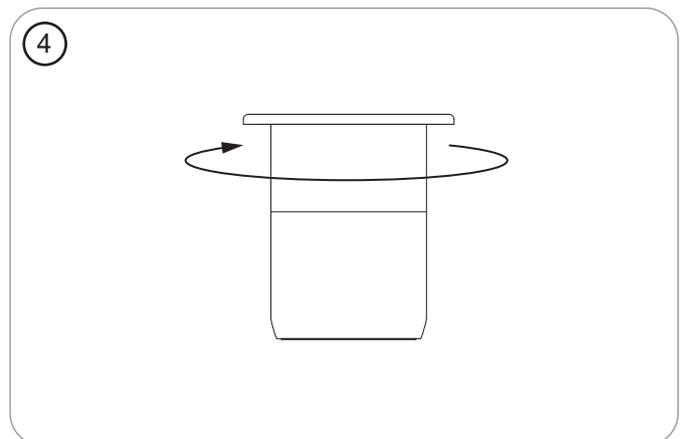
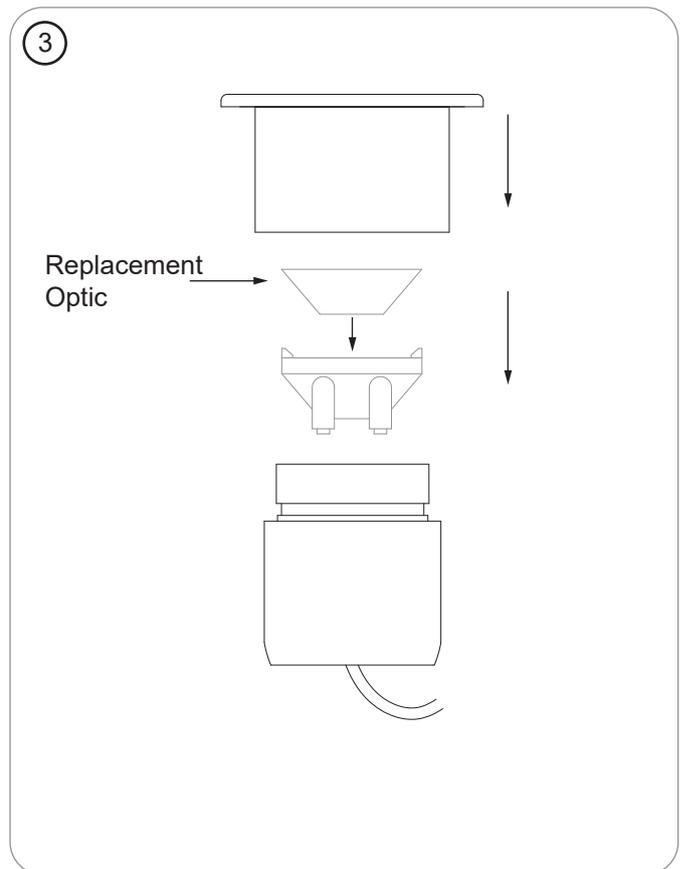
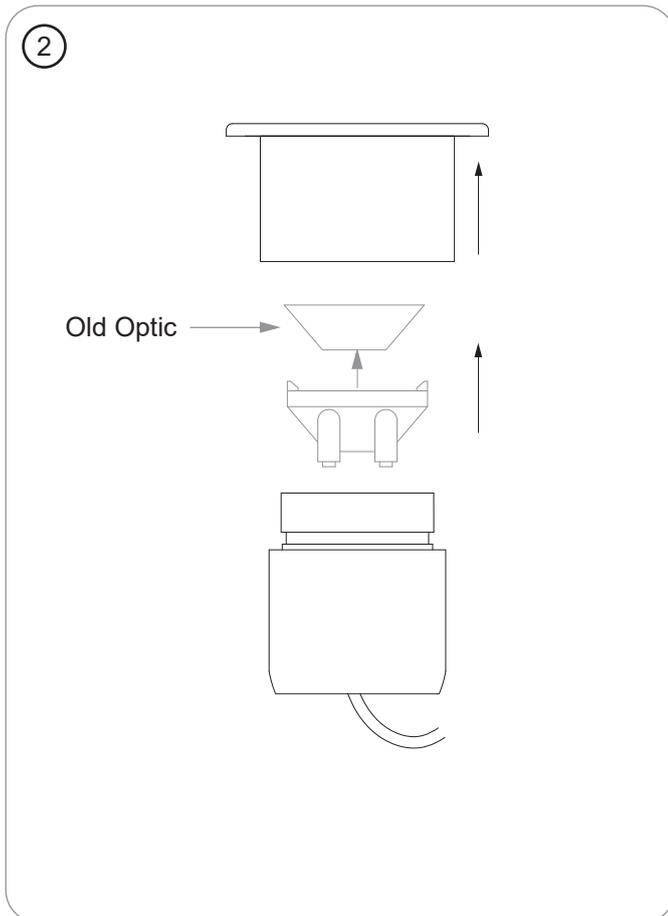
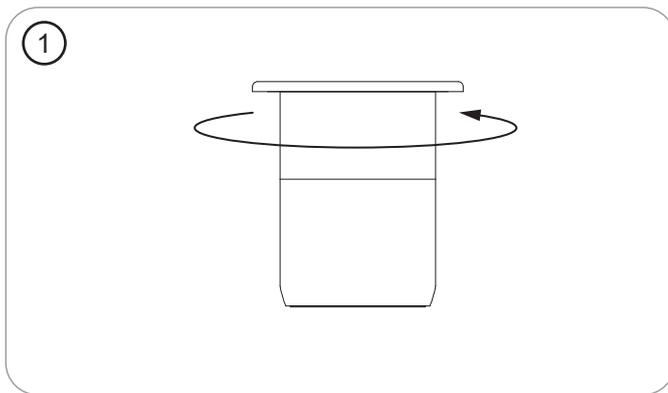
Clean the fitting with a slightly damp lint free cloth from a mild solution of soap and water. The fitting must be completely dry before reconnecting power.

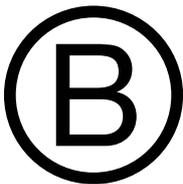
Incompatible or abrasive chemicals can damage the fitting, contact SL for advice if required.

OPTIC CHANGE

To change the optic;

- Step 1 Unscrew the bezel
- Step 2 Remove the optic from the black optic holder
- Step 3 Place the new optic in the black optic holder
- Step 4 Replace black optic holder in fitting, placing the four legs of the optic holder into the corresponding holes in the fitting, and fully tighten bezel



Certified**Corporation**

Stoane Lighting firmly believe that we have a responsibility as environmental custodians, we believe that lighting equipment should be built to last, to be repaired and to be reused. As a BCorp we have pledged to operate a business not aiming to just be best *in* the world but a business best *for* the world. Stoane Lighting believe that the circular economy is a fundamental aspect of how we approach the challenges we face. If you read this at the end of the product life we encourage you to consider how you can ensure this product sees an extended life. If removal is unavoidable, please see the disassembly note below.

All Stoane Lighting products are supplied with a 5 year warranty and a 25 year duty of care.

Stoane Lighting operate a ReNew division, which can take your existing fittings and refurbish or upgrade without the need for replacing what you already have.



Through the ReNew service, Stoane Lighting provides general repair, deep cleans and electrical safety checks on luminaires, as well as possible repainting if needed. We will replace components that are nearing end of life, such as drivers, LEDs, and optics. If the fittings are to be used in a new area, or the existing space is undergoing a change in use, ReNew can offer a different mounting method or light technical performance (such as colour tuning), if needed, alongside the addition of on-board wireless control. ReNew as a service, depending on location, can be done on site or by returning equipment to Stoane Lighting.



Once fittings have been repaired or upgraded through ReNew, they will start a new five-year warranty period, and any unwanted parts will be recycled.



Product Disassembly and Component Recycling - While every effort has been made to ensure that our products are built to last and are ReNewable, there may come a point when, as a very last resort, the fittings need to be recycled. Stoane Lighting can provide information on how the fitting can easily be disassembled into its component parts for more effective recycling. Information on recycling services in your local region can also be supplied on request.

For more information on the above please visit stoanelighting.com or contact us at the address shown.



THB.391.A2C

MADE IN ITALY



TH391 - In-line circular mini-joint connector type "I" IP68



GENERAL DESCRIPTION

Type of installation

Joint connector (re-usable/re-accessible)

Type of product (Family)

TEETUBE® - In-line and junction circular connectors IP68/IP69K

Product name (Series)

TH391 - In-line circular mini-joint connector tipo "I" IP68

Product configuration

In-line joint connector

Type of Fixation

With quick-fix mounting clip

* Mounting clip to be ordered separately (code 6000302CC).

Colour

Black (Plastic components) - Techno green (Rubber components)

Outer dimension

Φ 23 mm x 68 mm

ELECTRICAL CHARACTERISTICS

Number of poles

2

Contact marking

1 - 3

Type of connection

screw with push-wire clamp (M3 - max. 0.5 Nm)

* Recommended for cable of cross-section < 1.0 mm².

Operating current

max. 24A

Operating voltage

max. 450V AC

i Contact our Customer Service for availability of other markings.

MECHANICAL CHARACTERISTICS

Protection against solid/water (IP)

IP68 (30m,2h)

Corrosion resistance

Salt mist, 1.000 ore, 5% salt solutions, 35°C EN60068-2-11:2000, Test Ka (168h)

i Contact our Customer Service for availability of products with different IP and IK protection degrees.

CABLE CHARACTERISTICS

Wire cross-section min. - max. (Stranded cable)

0.25 mm² - 2.5 mm²

* Tested positively with cables of cross-section 0.25 mm².


Wire cross-section min. - max. (Solid cable)
0.25 mm² - 2.5 mm²• Tested positively with cables of cross-section 0.25 mm²..
Cable diameter min. - max.

7.0 mm - 12.0 mm

• For cables with diameter For smaller cables please take the proper accessory.

MATERIAL CHARACTERISTICS
Connector housing

PA66 GF UL94 V0 GWT 960°C

Cable gland

PA66 UL94 V2 GWT 850°C

Sealing

TPE

Grommets

TPE

Contacts

CuZn (nickel plated)

Screws

Steel (rivestimento Zinco)

Material properties

Halogen Free - Silicone Free

T marking

T 85°C

Operating temperature range

-40°C / +125°C

Proof Tracking Index (PTI)

PTI 250

 Contact our Customer Service for more information on additional tests and approvals.

INDUSTRY STANDARDS
Standard number

EN 60998-1:2004

PACKAGING INFORMATION
Packaging method

not assembled components

Quantity (product/box)

200 products/box

Unit weight

20,3 gram/product

Box dimension

400 x 210 x 170

INSTALLATION INSTRUCTIONS

- 606003900 ISTh391v01techno NEW
PDF • 2 MB
- 606003900 ISTh391v01techno Lungo NEW
PDF • 453 KB
- Guidelines Installation PDF • 753 KB

CERTIFICATIONS AND TEST REPORTS

- CE-TH391 DOCX • 352 KB
- TH391 CA0205751 resinato PDF • 290 KB