



WE-EF LEUCHTEN

Installation and Maintenance
Instructions

Inground Luminaire

ETC329-FS LED

EVC329-FS LED



Do not open during installation

This product is factory-sealed.
Refer to the instructions contained in this document for details.



Surge Protection

This product features built-in surge protection circuitry in compliance with applicable standards.

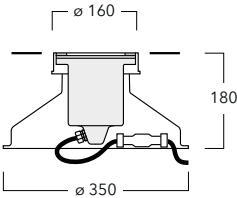
For comprehensive protection of a luminaire installation against lightning and electrical surges, it is essential to cover mains supply and data input lines at the distribution board level, by using respective primary (Type 1) and secondary (Type 2) surge arrestors in compliance with EN61643-11/ IEC61643-1.

Warning

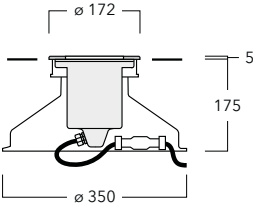
Ensure that all required surge protection measures are in place and activated prior to luminaire installation. Also, disconnect luminaires before operating high-power devices such as, for example, electrical arc welders.

Inground Luminaire

ETC329-FS



EVC329-FS



IP69, Class I, $t_a = 25^{\circ}\text{C}$

Light Source

LED

Maintenance

Apart from cleaning the product's exterior surfaces, no special maintenance work is required.

Do not use high-pressure cleaners.

In case of component failure due to abnormal circumstances or at end of life, replacement must be carried out by a suitably qualified and trained professional.

Warning: Do not open luminaire while mains supply is switched on.

Installation

The product must be installed and maintained by a suitably qualified professional in compliance with latest building/construction and/or electrical regulations and relevant legislation.

Warning: Switch off mains electrical supply prior to installing and connecting the luminaire.

Notice: If the luminaire is modified by anybody other than the original manufacturer, then the warranty will no longer be valid and shall become the full responsibility of the modifying person/organisation. Claims based on defects attributable to improper installation and/or application, and the consequences thereof, are excluded.

Attention: The luminaire is factory-sealed and does not need to be opened during installation.

The installation on site must comply with local and/or national health and safety regulations.

Installation Methods

Attention: The luminaire is factory-sealed and does not need to be opened during installation.

For proper installation, use the supplied installation blockout.

Ensure that proper drainage is provided for the shown installation methods:

In landscape/paved areas, sand or concrete with gravel base (Fig. I).

With fully concreted installation, drainage piping must be provided (Fig. II).

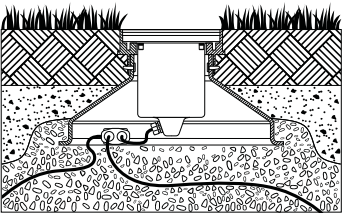


Fig. I

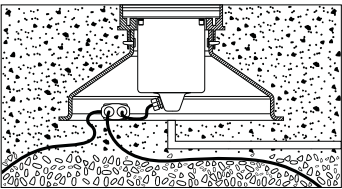


Fig. II

Phase One

Blockout Installation Procedure

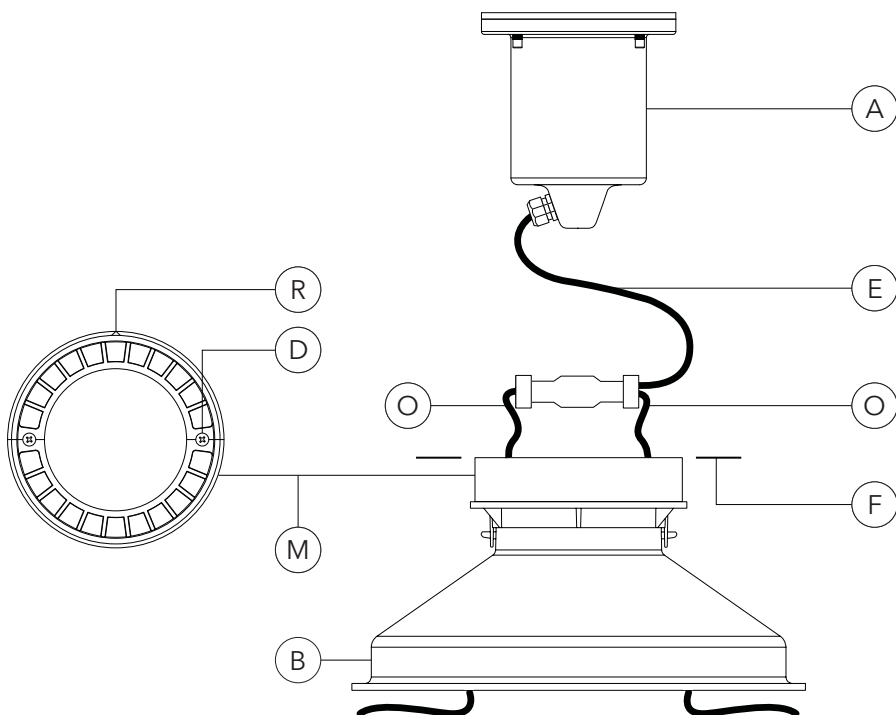
(during earth or masonry work)

- 1) Ensure that proper drainage is provided for the shown installation methods.
- 2) Ensure a suitable recess is provided to accommodate installation blockout/mounting ring assembly **B/M**.
- 3) Test drainage (ensure water drains within 30 mins, **Warning:** warranty void if luminaire installed without appropriate drainage).
- 4) Set installation blockout/mounting ring assembly **B/M** in position and ensure that:
 - a) Arrow **R** on mounting ring **M** is pointed towards the object to be illuminated (wall, tree, column).
 - b) Mounting ring **M** is flush with surface **F**. If the floor will be tiled or paved afterwards, leave an appropriate gap.
 - c) Mains supply cable(s) **O** is of sufficient length to connect sealable junction box **J** with cable **E** from luminaire.
- 5) During ongoing earth and/or masonry works, do not remove stickers on fixing thread holes **D**. Ensure that installation blockout/mounting ring assembly **B/M** is not damaged and has maintained its original shape. If necessary use a cover plate.
- 6) Framing should be installed to prevent vegetation from growing over the lens.

Phase Two

Luminaire Installation and Electrical Connection

- 7) Switch off mains electrical supply.
- 8) Check that rating shown on luminaire label conforms with mains electrical supply.
- 9) Terminate cable **E** from luminaire housing **A** and mains supply cable **O** (for individual wiring) or branch cable (for through wiring) in sealable junction box **J** - to connect cable(s). Follow the sealable junction box termination instruction included in the packaging.
- 10) Peel-off stickers on fixing thread holes **D**. Set cables and sealable junction box **J** inside installation blockout/mounting ring assembly **B/M**.
- 11) Loosen countersunk screws **C** (do not turn out). Insert mounting lever **L** between head of countersunk screws **C** and cover lens. Place luminaire housing **A** into installation blockout/mounting ring assembly **B/M** (Fig. IV) while aligning holes **D** on mounting ring **M**.
Warning: When luminaire is placed inside installation blockout **B**, ensure there is no stress on sealable junction box **J** or electric cables (Fig. III).
- 12) Tighten countersunk screws **C** 'hand-tight'.



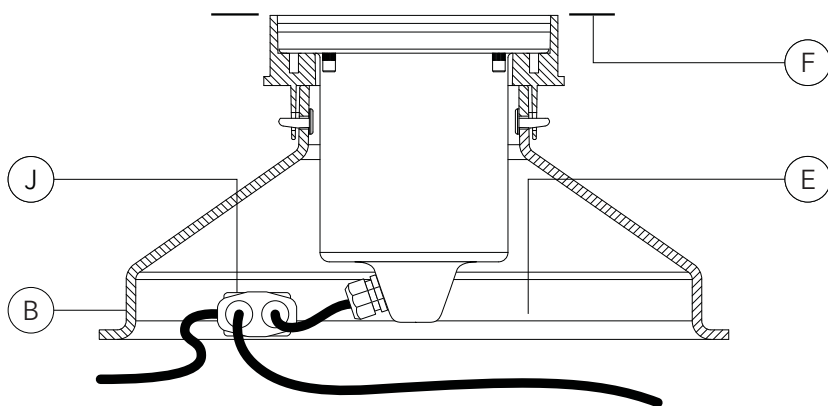


Fig. III

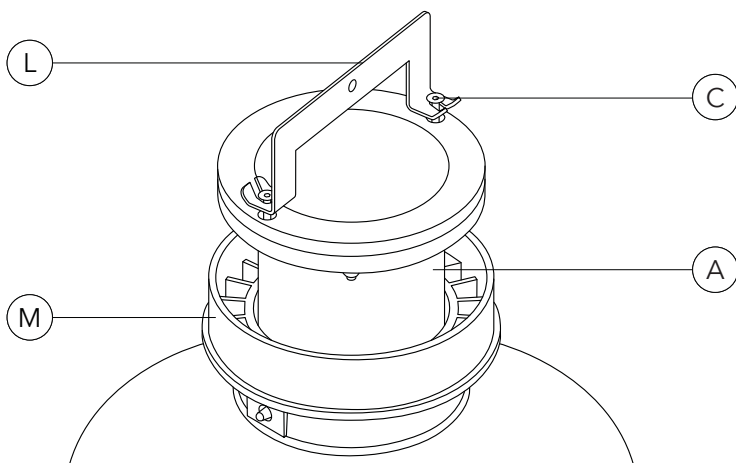


Fig. IV



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Technical specifications are
subject to change.

WE-EF LIGHTING

Installation and Maintenance

Instructions

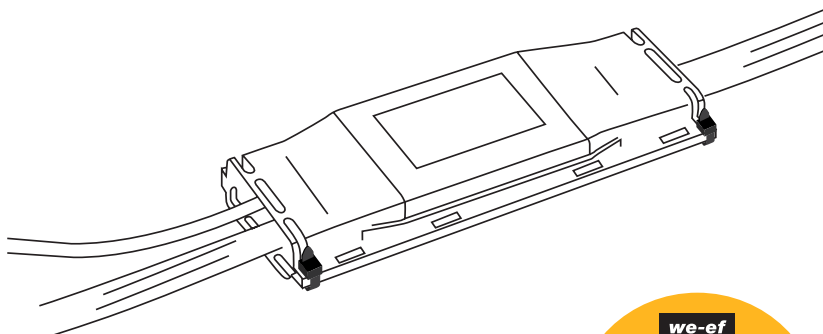
GEL JUNCTION BOX, c/w 6 mm T/B

185-1624

These instructions cover wiring of luminaires for different lighting control systems:

- 1) Wiring instructions for ON/OFF, 1-10V or DALI luminaires
- 2) Wiring instructions for DMX luminaires

see page 2
see page 7



Watch a step-by-step
installation guide for the IP68
gel junction box, using the QR
code. Or here is a short link:
<https://bit.ly/3y7dHCs>



Installation

This instruction sheet is specific to underground standard cable connections for inground up-lights supplied by WE-EF complete with pre-installation blockout. This product is designed for single use only.

It is also specific to a maximum of two x 5 core (1.5 mm² to 4 mm²) circular or flat TPS. Installations using larger and/or alternate cables are not covered by this instruction sheet, please refer to your supplier for approved instruction information.

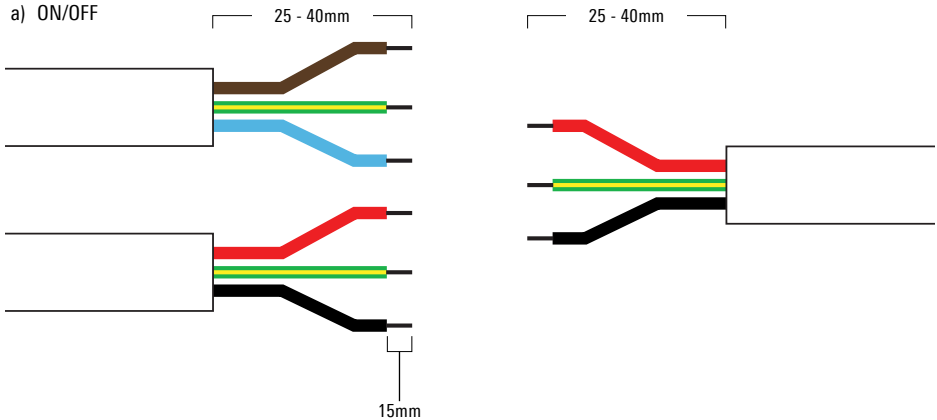
The product must be installed and maintained by a suitably qualified professional in compliance with latest building/construction and/or electrical regulations and relevant legislation.

The installation on site must comply with local and/or national health and safety instructions.

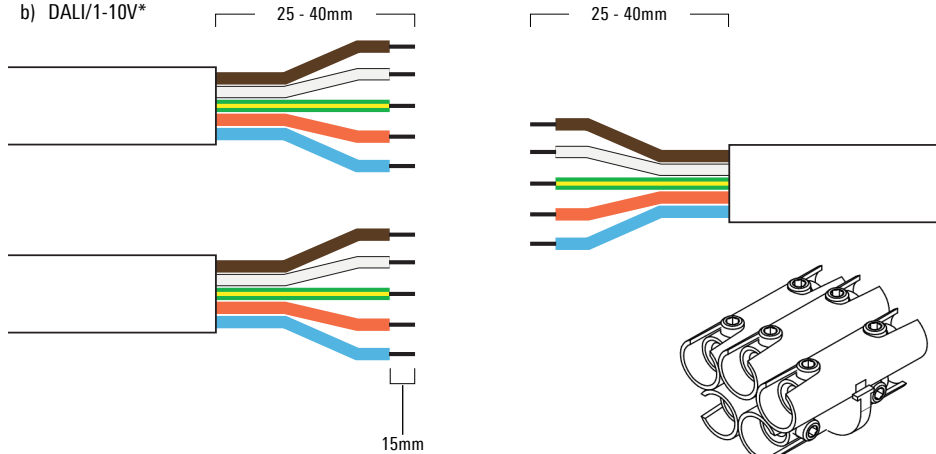
Installation Procedure - ON/OFF, 1-10V or DALI luminaires

1) Prepare cables

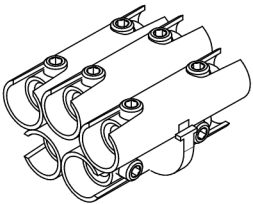
a) ON/OFF



b) DALI/1-10V*

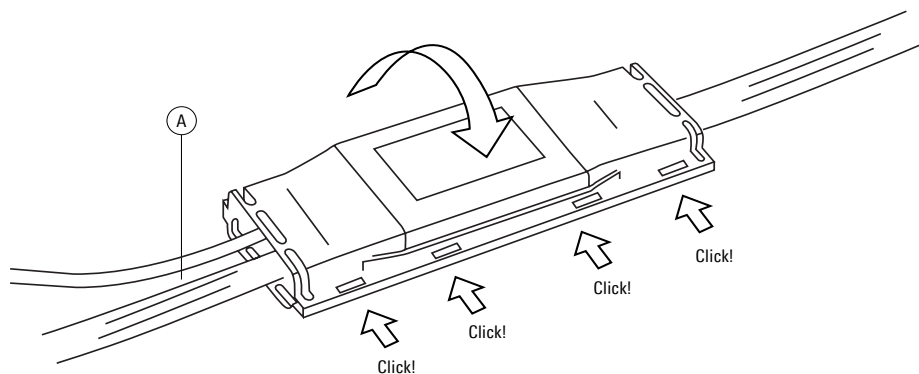


*Confirm suitability of 1-10V connections as shown



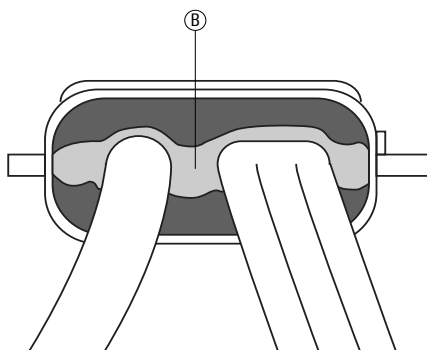
As supplied with fixture

4) Click closed the junction box



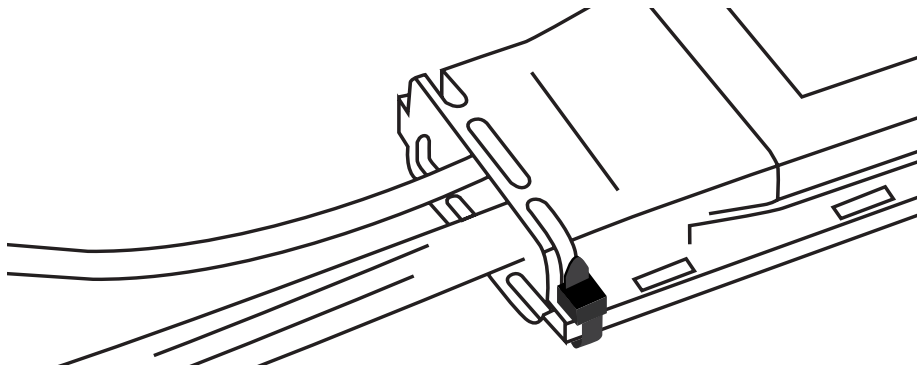
* Separate **A** – Do not lay cables on top of each other

5) Ensure gel dispersion

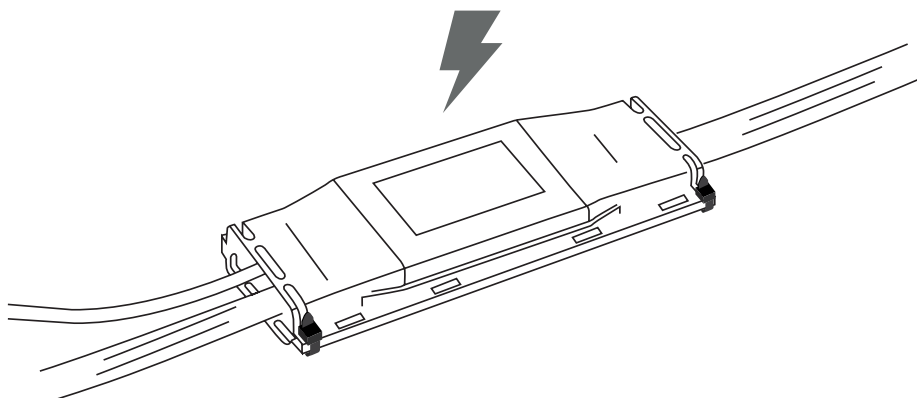


** **B** – Be sure to have gel dispersion between cables

6) Cable ties are for locking case at end



7) Power up



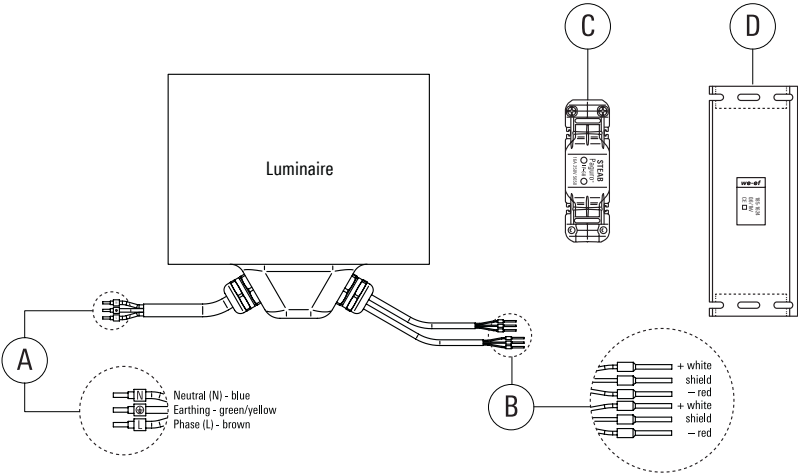
Installation Procedure - DMX luminaires

- 1) Scope of supply.
- (illustrations are exemplary)
- A: Power supply cable

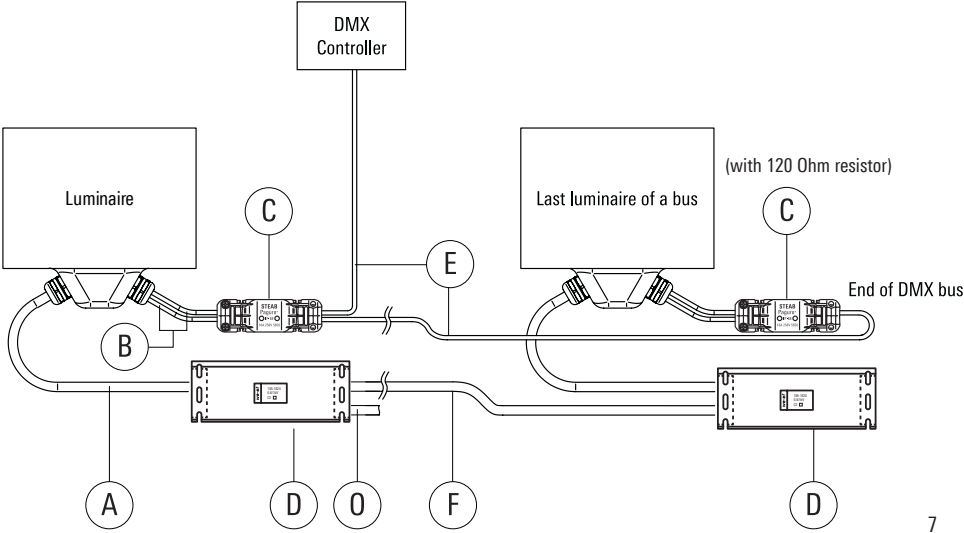
B: DMX data cable

C: Junction box for DMX data cables

D: Junction box for power supply cable

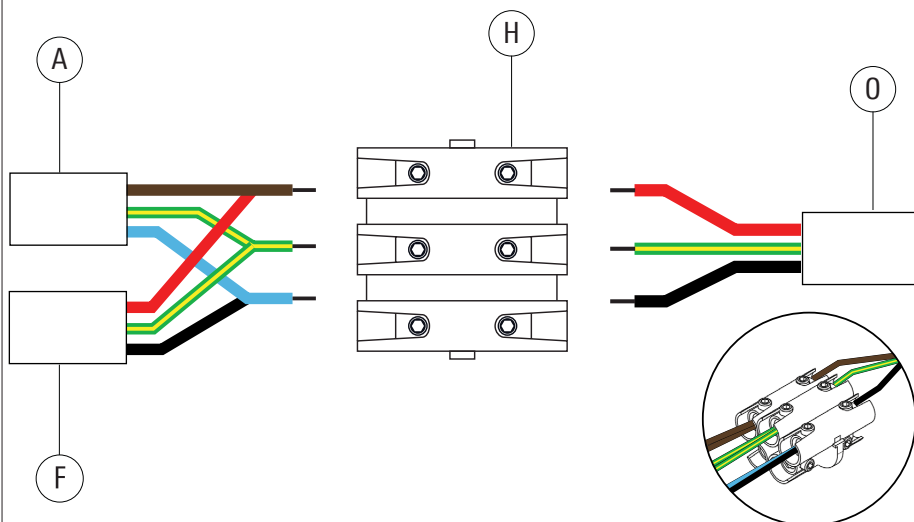


- 2) Overview.

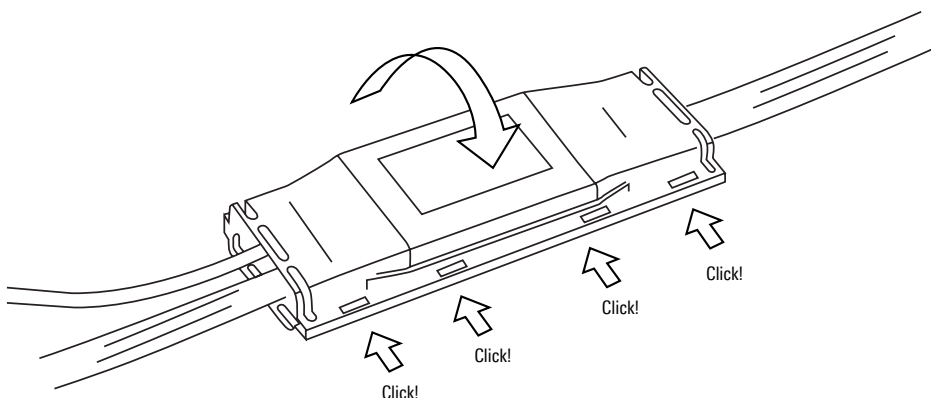


- 3) Connect luminaire's power supply cable **A** and main supply cable **O** (and second cable **F** for through wiring) to terminal block **H** within junction box **D**: L = Phase, N = Neutral, \oplus = Earthing.

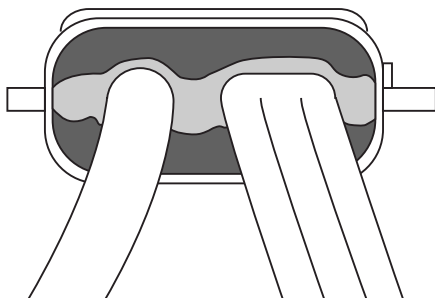
Attention: Refer to additional information packed with junction box **D** (shown wiring is exemplary only).



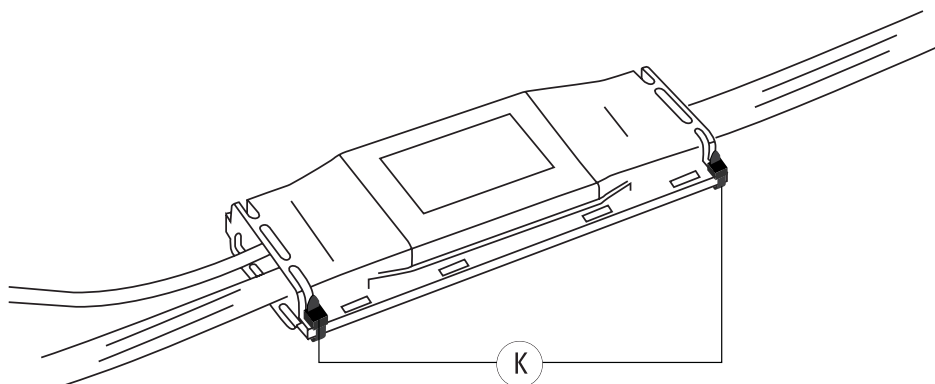
- 4) Click closed the junction box, ensure cables do not lay on top of each other



5) Ensure gel dispersion, and that individual insulation of cable cores is totally enclosed in the gel.

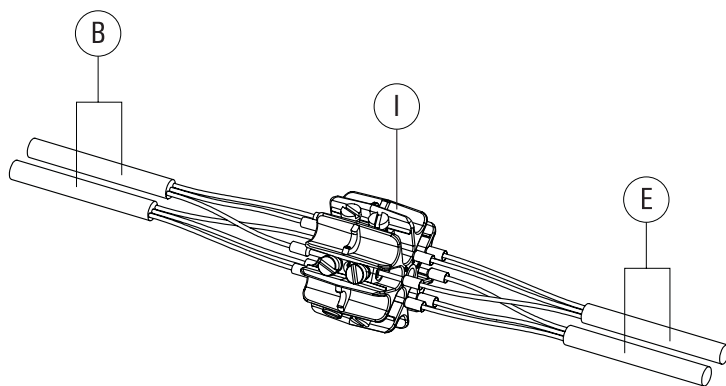


6) Tie the ends of the case closed with cable ties **K**

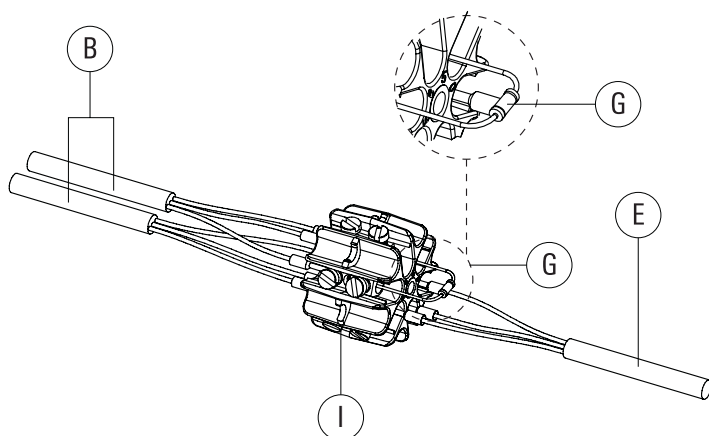


- 7) Connect luminaire's DMX data cables **B** and external DMX cables **E** to terminal block **I** within junction box **C**: White = DMX+, Red = DMX-, Shield. Use cord-end terminals for DMX wires.

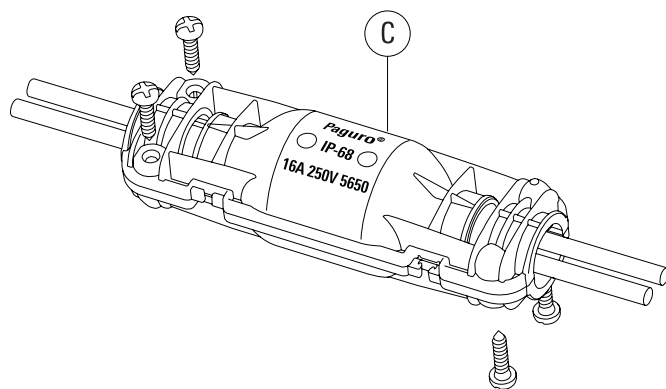
Attention: Refer to additional information packed with junction box **C** (shown wiring is exemplary only).



- 8) At the end of each DMX bus: DMX must be terminated by connecting 120 ohm resistor **G** (placed on each junction box **C** by adhesive type) between DMX+ and DMX- on terminal block **I** in junction box **C**.



- 9) Ensure cables do not cross and that cable sheaths are contained with gel.
Tighten 4 screws.



- 10) Test electrical system before burying cables.

Drainage

- 1) Ensure that proper drainage is provided for the shown installation methods:
 - a) In landscape/paved areas, sand or concrete with gravel base (Fig. I).
 - b) With fully concreted installation, drainage piping must be provided (Fig. II).

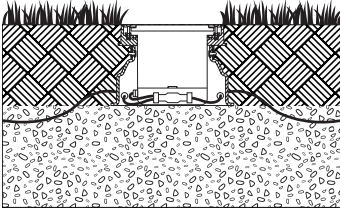


Fig. I

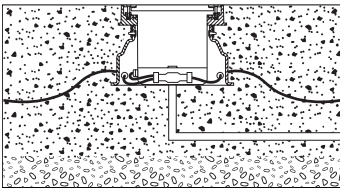
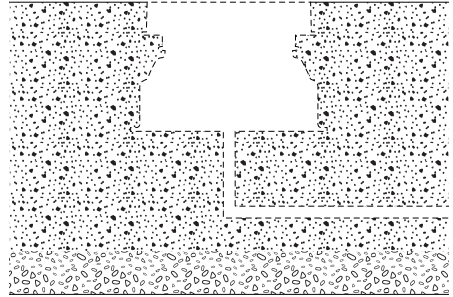


Fig. II

- 2) Ensure a suitable recess.



- 3) Test drainage (ensure water drains within 30 mins, **Warning:** warranty void if luminaire installed without appropriate drainage)

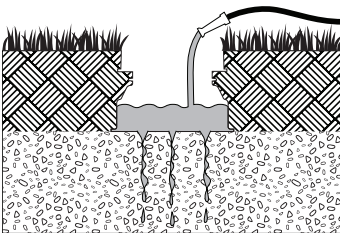


Fig. I

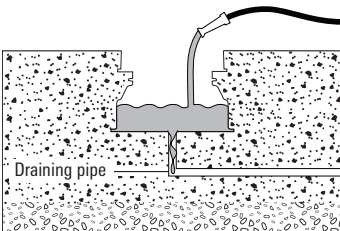
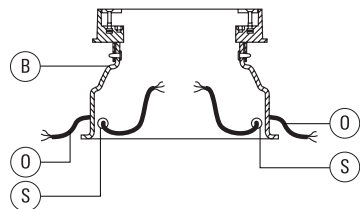


Fig. II

- 4) Select appropriate installation breakout holes **S** for mains supply cable(s) **O** and data cable(s) if necessary.



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