

**WE-EF LEUCHTEN**

Installation and Maintenance  
Instructions

Inground Luminaire

**ETC330-GB**

**ETC340-GB**

**ETC340-GB CC**

**ETC340-GB TW**

**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.

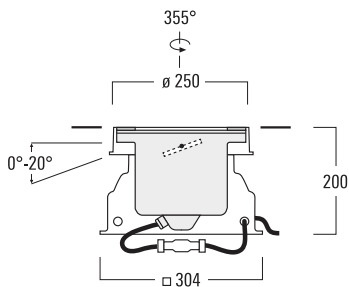
**Warning**

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

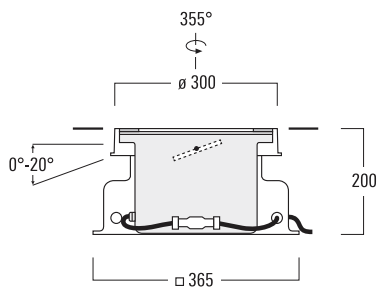
**ETC330-GB**



**ETC340-GB**

**ETC340-GB CC\***

**ETC340-GB TW**



IP67, IK10+, Class I,  $t_a = 40^\circ\text{C}$

### Accessories:

#### DMX Wireless\*

RF for ETC340-GB CC

**430-0018**



**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.

Damaged mains supply cable: Contact your authorised WE-EF agent for replacement.

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

For operation as colour changer the inground of the ETC300-GB CC series require a DMX control signal (DALI on request). The operation without control signal may lead to error.

## 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.

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

## Minimum Distance

ETC330-GB: No minimum distance.

ETC340-GB: Ensure the minimum distance for objects to be illuminated is correct (see illustration m inside luminaire).

## Installation Methods

For proper installation, use the supplied installation breakout.

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

In landscape areas, soil with gravel base (Fig. I).

In paved areas, concrete with gravel base (Fig. II).

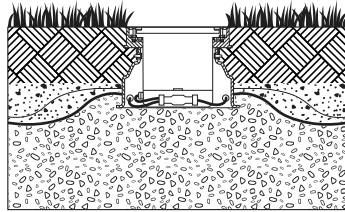


Fig. I

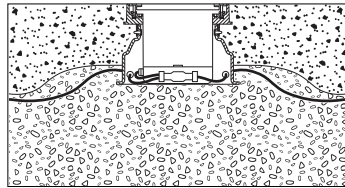
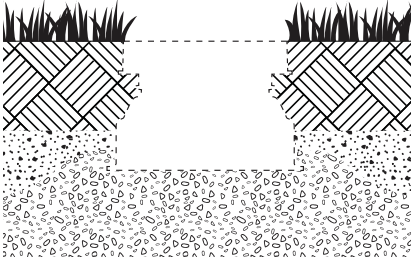


Fig. II

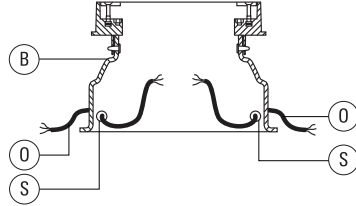
# Phase One

## Blockout Installation Procedure

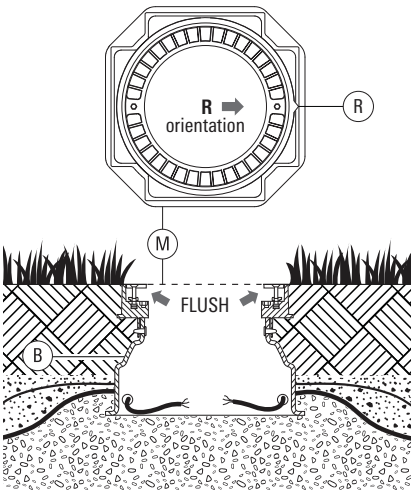
1) Ensure a suitable recess.



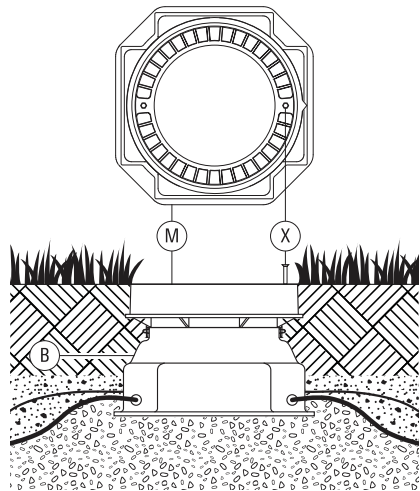
2) Select appropriate installation blockout holes **S** for mains supply cable(s) **O** and data cable(s) if necessary.



3) Set mounting ring **B/M** in position. Arrow **R** on mounting ring **M** is pointed towards the object to be illuminated (wall, tree, column).



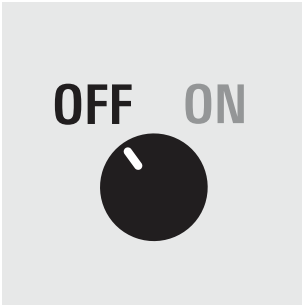
4) Do not remove screws **X** from mounting ring **M**.



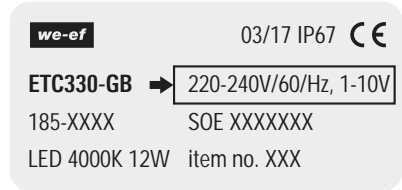
## Phase Two

### Luminaire Installation, Electrical Connection, and Aiming Procedure

- 5) Switch off and isolate mains electrical supply.

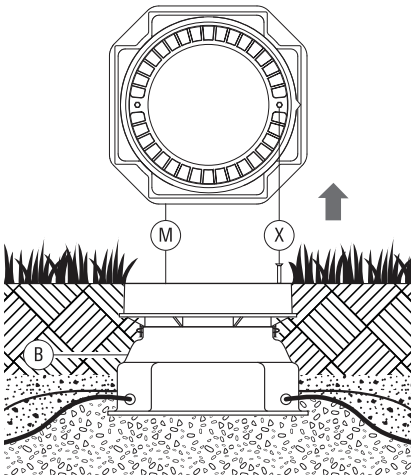


- 6) Check that rating shown on luminaire label conforms with mains electrical supply.



(example)

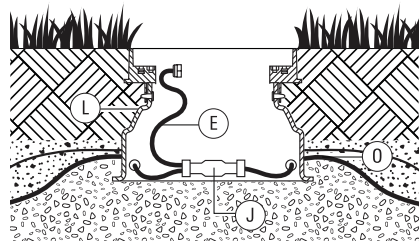
- 7) Remove screws **X** from mounting ring **M**.



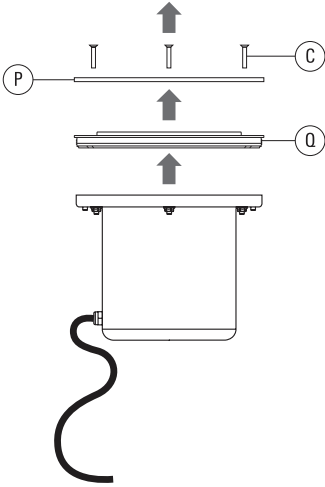
- 8) Terminate cable **E** and mains supply cable **O** in sealable junction box **J** and connect leads to respective terminals:

- a) ON/OFF or wireless (L = Phase, N = Neutral,  $\oplus$  = Earthing)
- b) 1-10 V/DALI (L = Phase, N = Neutral,  $\oplus$  = Earthing, DA/DA = DALI control line, D-/D+ = 1-10 V control line).
- c) DMX: (L = Phase, N = Neutral,  $\oplus$  = Earthing, D+ = DMX +, D- = DMX -, S=Shield)

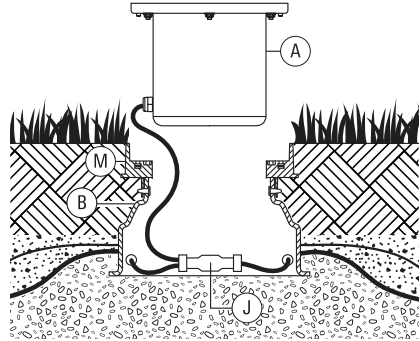
Please refer to instruction inside SJB packaging.



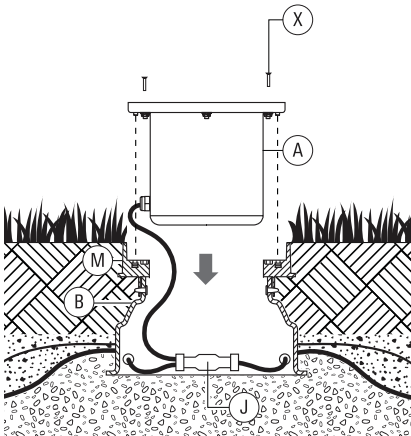
9) Remove cover **P** and lens/gasket **Q** by loosening screws **C**. Ensure that no dirt gets into the luminaire during installation.



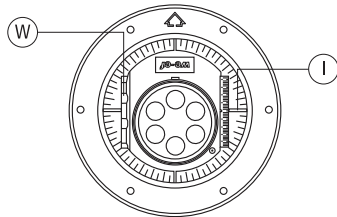
10) Set cables and sealable junction box **J** inside installation blockout **B**.



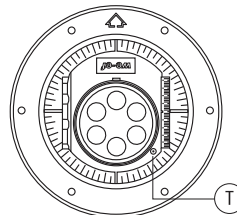
11) Place housing **A** into blockout/mounting ring assembly **B/M**. Tighten screws **X**.



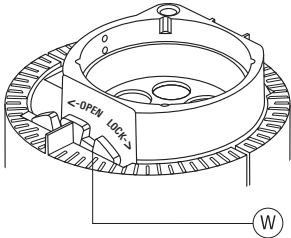
12.1) Insert screw driver into a slot on locking wheel **W**. Rotate locking wheel **W** in the 'OPEN' direction. Hold fins **I** to aim horizontally...



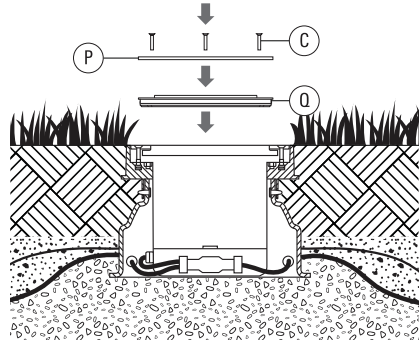
12.2) Insert screw driver into hole **T** to aim vertically.



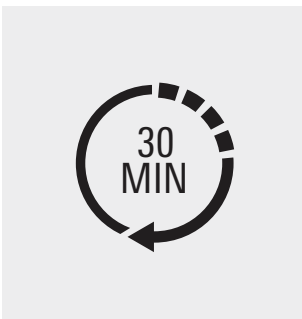
- 13) Reinsert screw driver into slot on locking wheel **W** and rotate it in the 'LOCK' direction. Use only moderate torque.



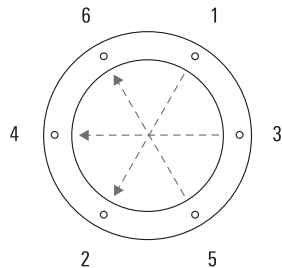
- 14) Ensure that all surfaces are clean and dry. Reposition lens/gasket assembly **Q** and cover **P**.



- 15) Switch on and wait 30 minutes before inserting desiccant sachet (see pg. 8).



- 16) To ensure proper sealing. Tighten screws in criss-cross sequence. Using torque 5 Nm for ETC330-GB and 6 Nm for ETC340-GB.





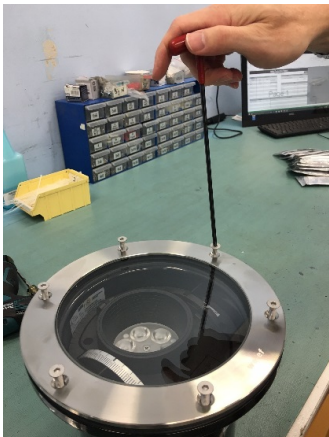
## Inserting Desiccant sachet into ETC gimbal

**NOTE:** LED luminaires are static sensitive devices; please ensure that appropriate ESD measures are taken before opening luminaire. If in doubt, please contact WE-EF.

### CAUTION

The desiccant sachet **MUST** not be left in the open environment. please seal luminaire down within 15 minutes of opening sachet.

Pic 1



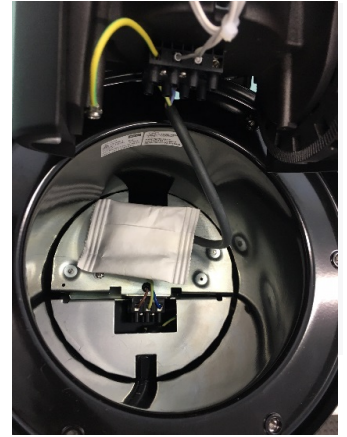
Pic 2



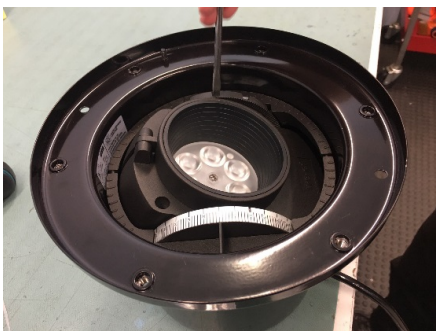
Pic 3



Pic 4



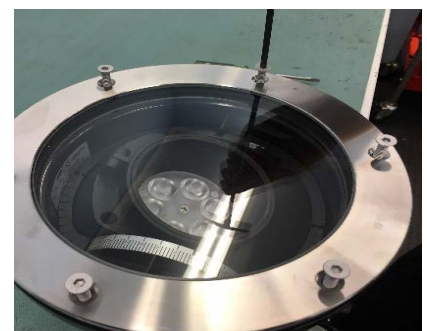
Pic 5



Pic 6



Pic 7



- 1) Remove cover and lens/gasket assembly by loosening screws (Pic 1)
- 2) Insert screw driver into a slot on locking wheel in the open direction and remove heatsink assembly (Pic 2)
- 3) Remove Desiccant Sachet from the foil pack (Pic 3)
- 4) Place Desiccant sachet into housing and replace heatsink assembly (Pic 4)
- 5) Aim gimbal and tighten (Pic 5)
- 6) Place lens back onto housing noting alignment of indexing stud (Pic 6)
- 7) Secure cover
  - a) Partially secure screws in criss-cross sequence starting from position 1
  - b) Tighten screws in same sequence again. using torque 5 Nm (Pic 7)



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Technical specifications are  
subject to change.

**WE-EF LIGHTING**

Installation and Maintenance

Instructions

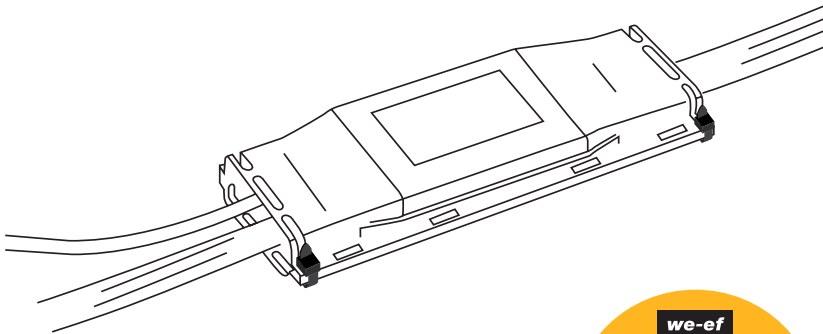
GEL JUNCTION BOX, c/w 6 mm T/B

**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 mm<sup>2</sup> to 4 mm<sup>2</sup>) 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.

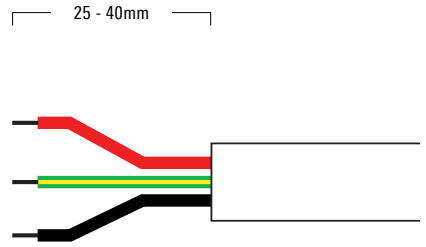
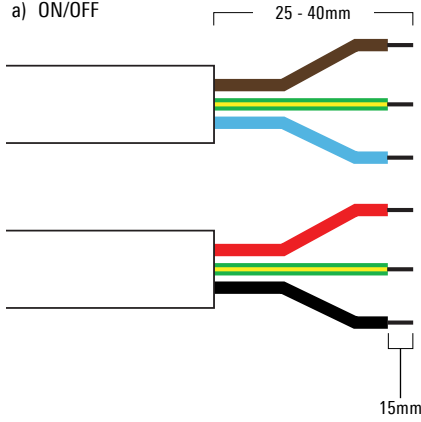
The product must be installed and maintained by a suitably qualified professional in compliance with latest building/construction and/or electrical regulations and relevant legislation.

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

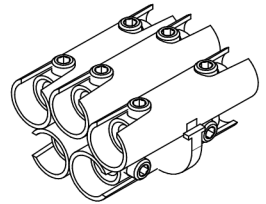
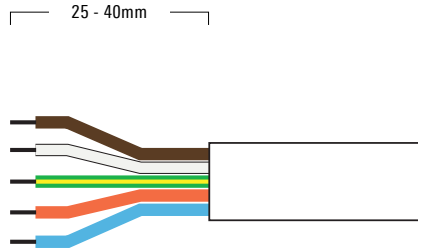
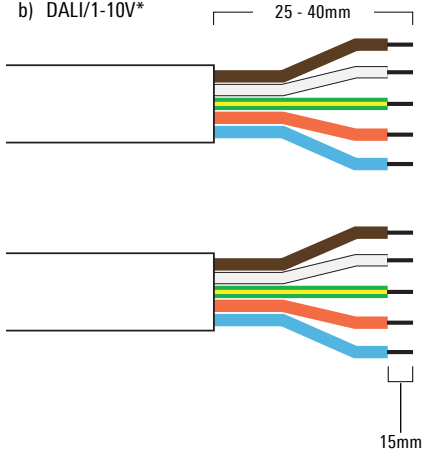
# Installation Procedure - ON/OFF, 1-10V or DALI luminaires

## 1) Prepare cables

### a) ON/OFF



### b) DALI/1-10V\*

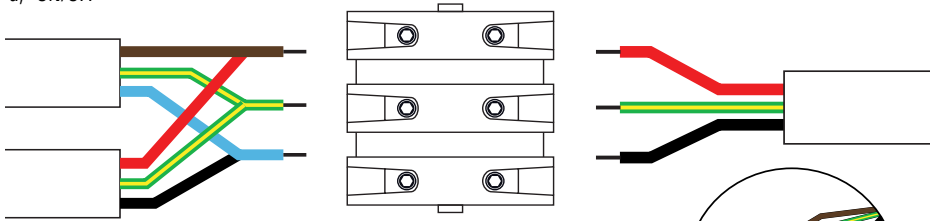


As supplied with fixture

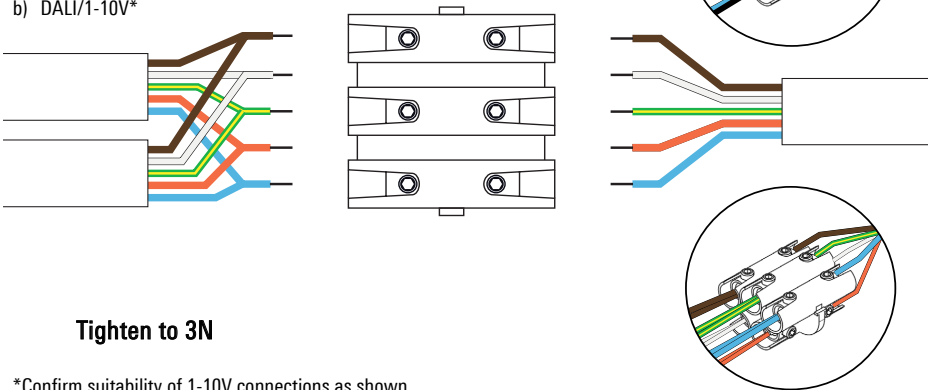
\*Confirm suitability of 1-10V connections as shown

## 2) Secure wires within terminal block with hex key supplied

a) ON/OFF



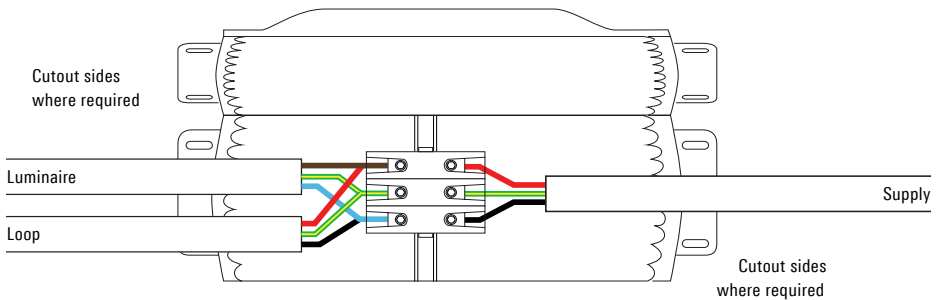
b) DALI/1-10V\*



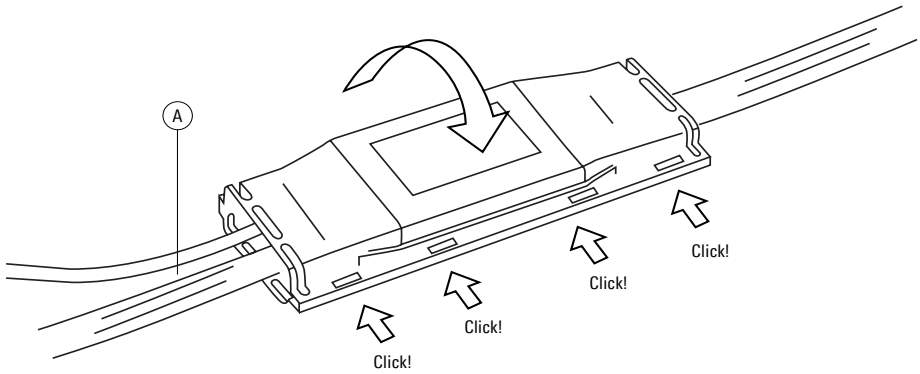
**Tighten to 3N**

\*Confirm suitability of 1-10V connections as shown

## 3) Placement inside junction box

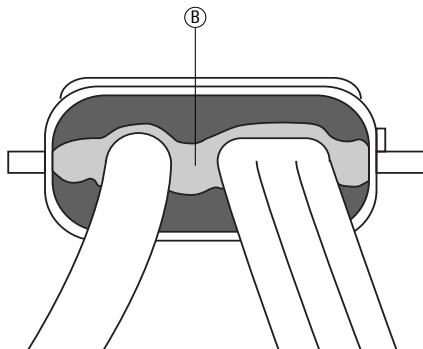


4) Click closed the junction box



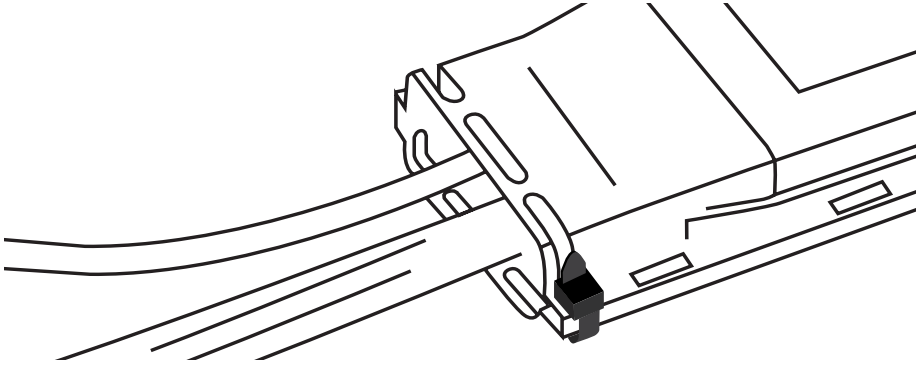
\* Separate **A** – Do not lay cables on top of each other

5) Ensure gel dispersion

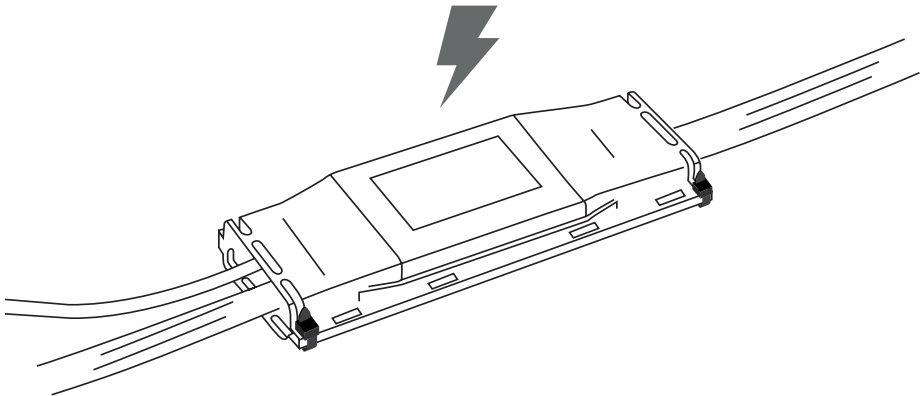


\*\* **B** – Be sure to have gel dispersion between cables

6) Cable ties are for locking case at end



7) Power up



## Installation Procedure - DMX luminaires

### 1) Scope of supply.

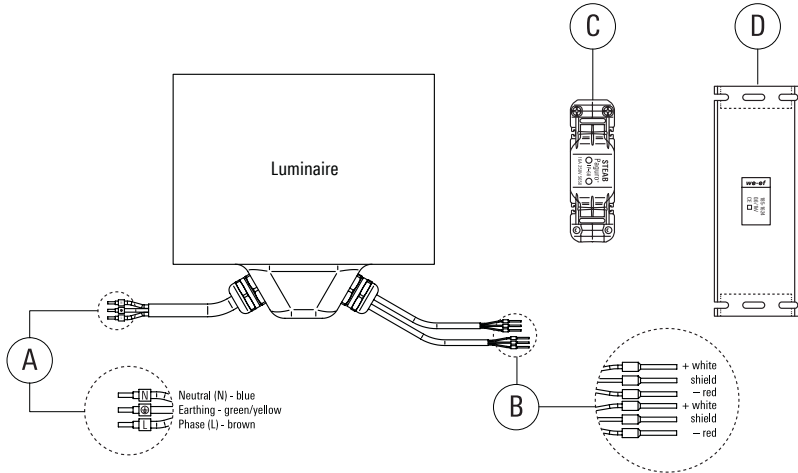
(illustrations are exemplary)

**A:** Power supply cable

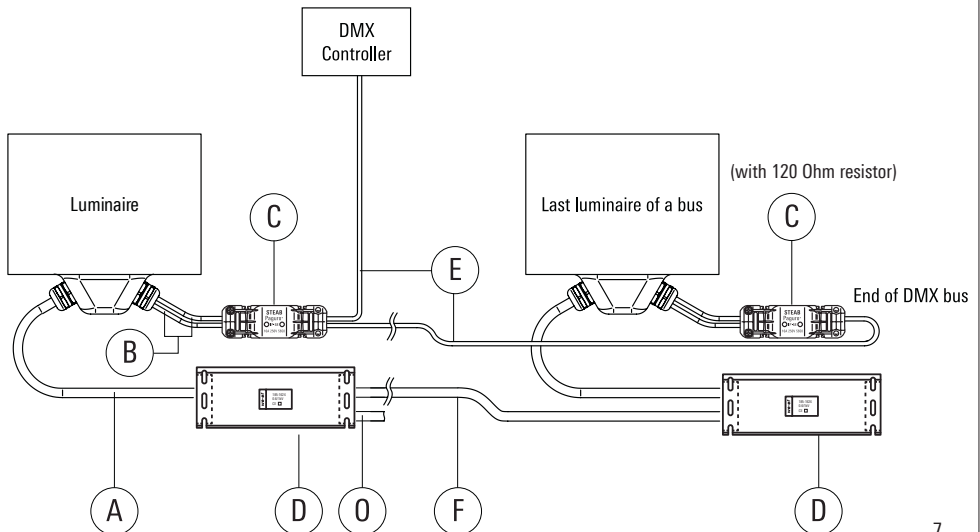
**B:** DMX data cable

**C:** Junction box for DMX data cables

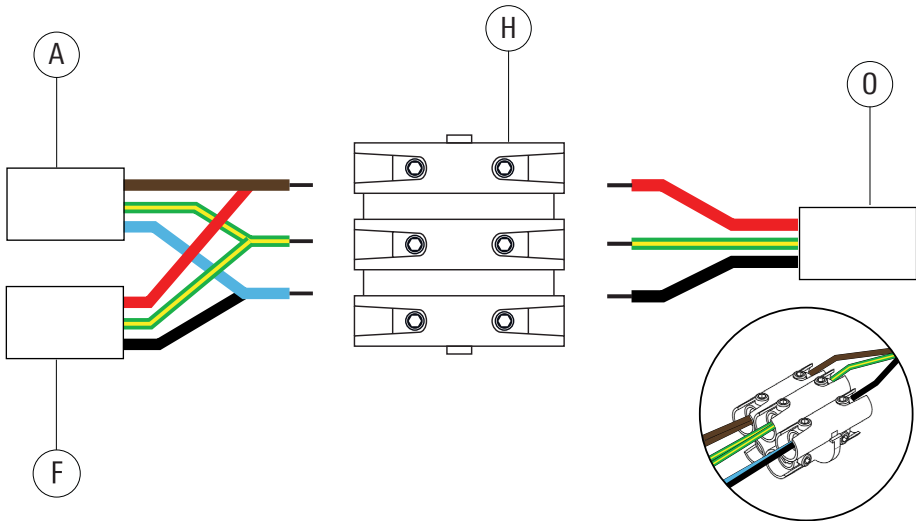
**D:** Junction box for power supply cable



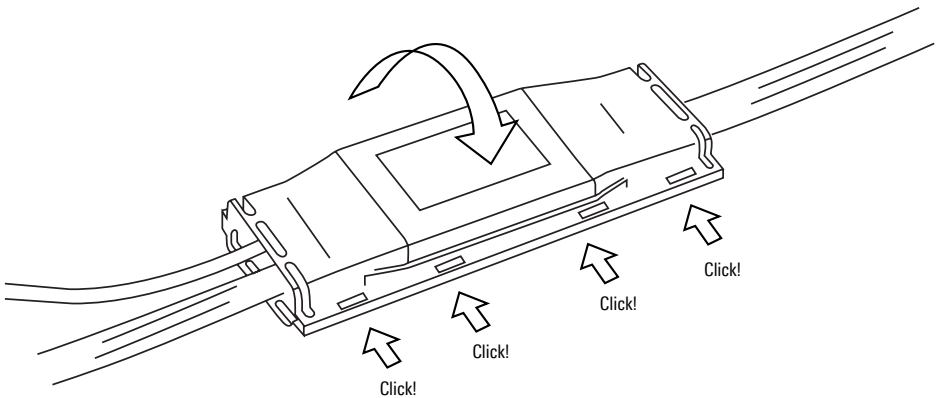
### 2) Overview.



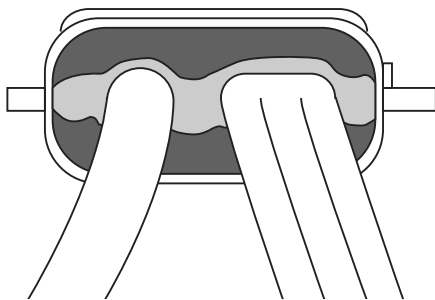
- 3) Connect luminaire's power supply cable **A** and main supply cable **O** (and second cable **F** for through wiring) to terminal block **H** within junction box **D**: L = Phase, N = Neutral, ⊕ = Earthing.  
**Attention:** Refer to additional information packed with junction box **D** (shown wiring is exemplary only).



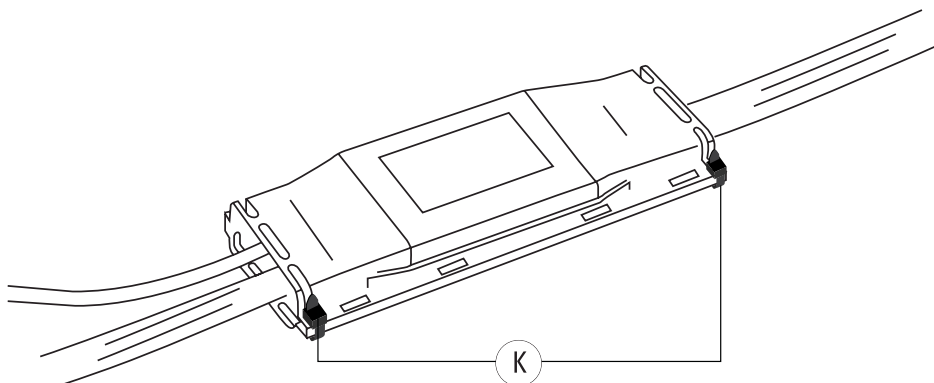
- 4) Click closed the junction box, ensure cables do not lay on top of each other



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

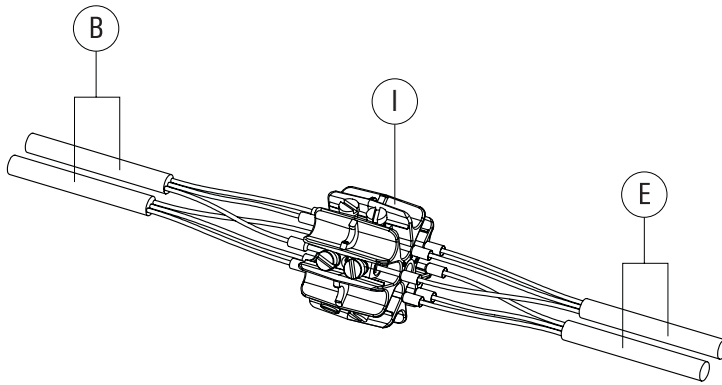


6) Tie the ends of the case closed with cable ties **K**

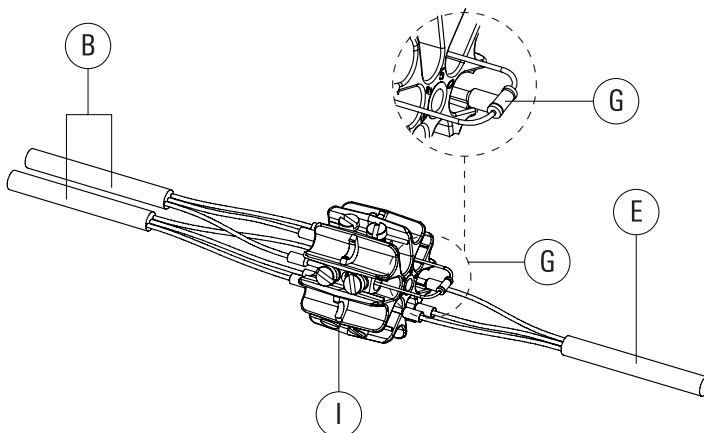


7) Connect luminaire's DMX data cables **B** and external DMX cables **E** to terminal block **I** within junction box **C**: White = DMX+, Red = DMX-, Shield. Use cord-end terminals for DMX wires.

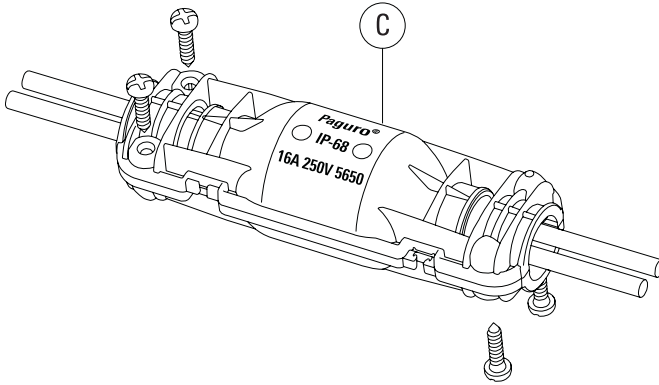
**Attention:** Refer to additional information packed with junction box **C** (shown wiring is exemplary only).



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).

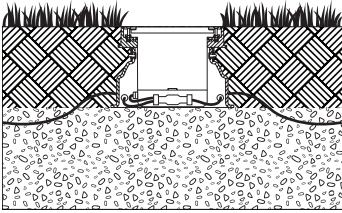


Fig. I

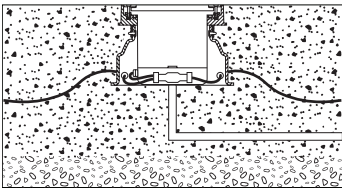
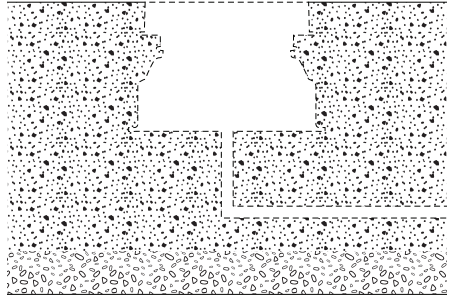


Fig. II

- 2) Ensure a suitable recess.



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

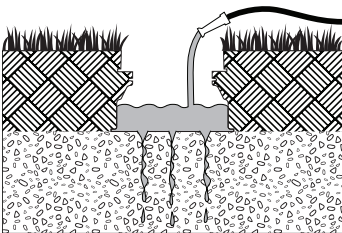


Fig. I

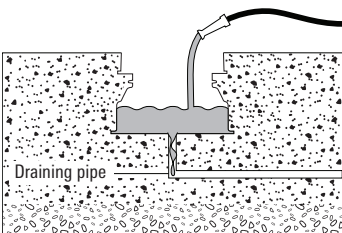
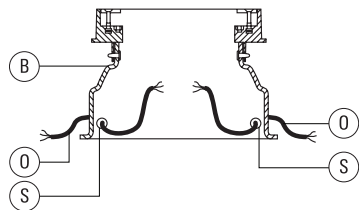


Fig. II

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



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T09259W042020\_Rev2\_130521

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Technical specifications are  
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