



## **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.

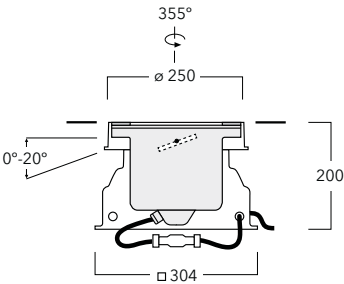
For comprehensive protection of a luminaire installation against lightning and electrical surges, it is essential to cover mains supply and data input lines at the distribution board level, by using respective primary (Type 1) and secondary (Type 2) surge arrestors in compliance with EN61643-11/ IEC61643-1.

#### **Warning**

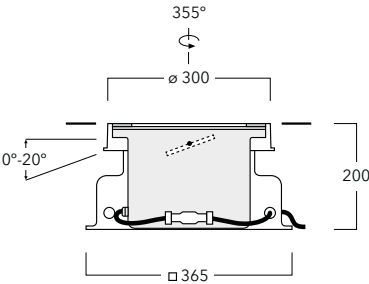
Ensure that all required surge protection measures are in place and activated prior to luminaire installation. Also, disconnect luminaires before operating high-power devices such as, for example, electrical arc welders.

Inground Luminaire

ETC330-GB





ETC340-GB  
ETC340-GB CC\*  
ETC340-GB TW



IP67, IK10+, Class I, ta = 40°C

Accessories:

DMX Wireless\*

RF for ETC340-GB CC 430-0018 ø 5.5 - 12 mm  0.14 - 2.5 mm<sup>2</sup> DMX-Power 

**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.

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.

For operation with Tunable White, a DALI DT8 controller is required.

## 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  inside luminaire).

## Installation Methods

For proper installation, use the supplied installation blockout.

**Phase One**  
**Blockout Installation Procedure**

- 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).

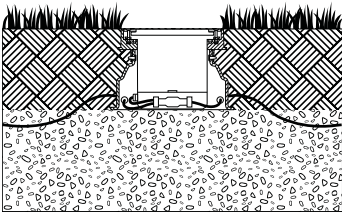


Fig. I

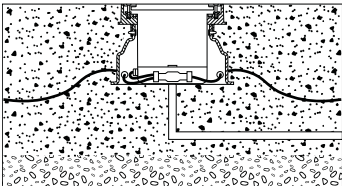


Fig. II

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

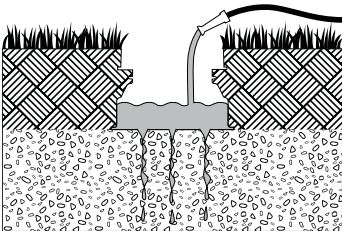


Fig. I

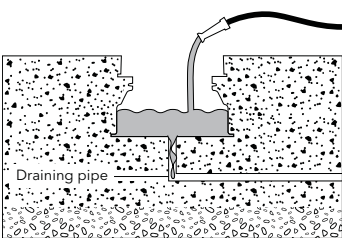
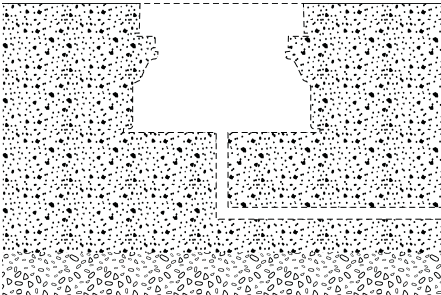
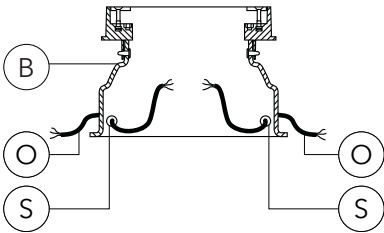


Fig. II

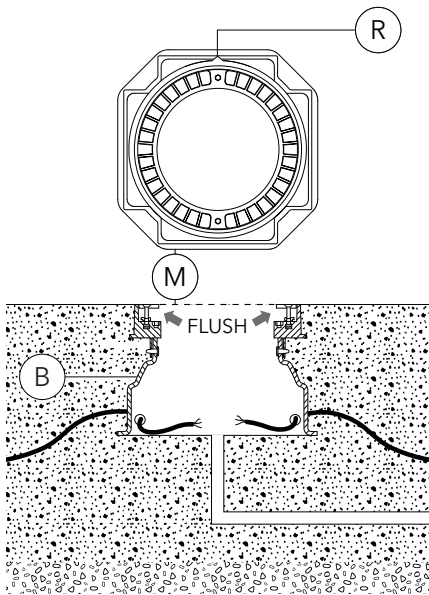
- 2) Ensure a suitable recess.



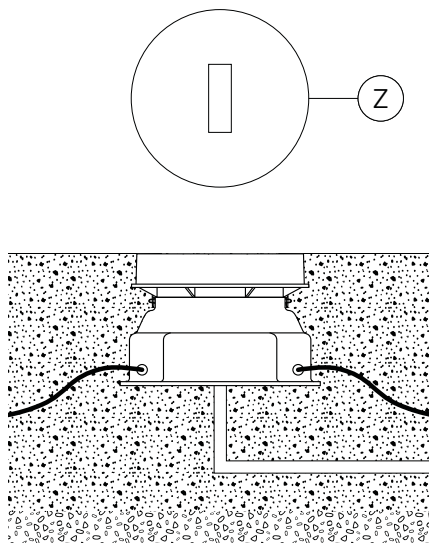
- 4) Select appropriate installation blockout holes **S** for mains supply cable(s) **O** and data cable(s) if necessary.



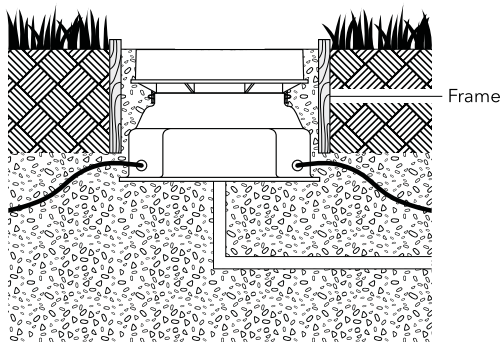
5) Set mounting ring **B/M** in position. Arrow **R** on mounting ring **M** is pointed towards the object to be illuminated (wall, tree, column).



6) Replace blackout cover **Z** prior to luminaire installation to prevent tripping hazard and concrete or dirt from getting into blackout.



7) Framing should be installed to prevent vegetation from growing over the lens.



**Phase Two**  
**Luminaire Installation, Electrical Connection, and Aiming Procedure**

8) Switch off mains electrical supply.

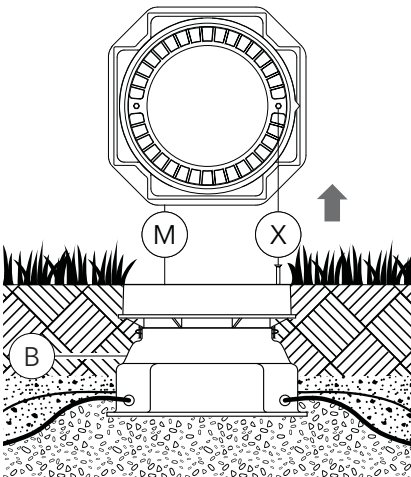


9) Check that rating shown on luminaire label conforms with mains electrical supply.



(example)

10) Remove screws **X** from mounting ring **M**.

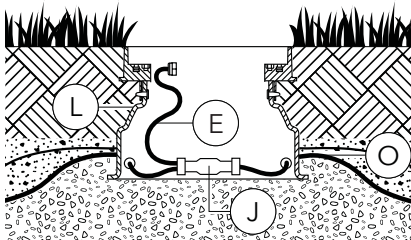


11) Terminate cable **E** and mains supply cable **O** in sealable junction box **J** and connect leads to respective terminals:

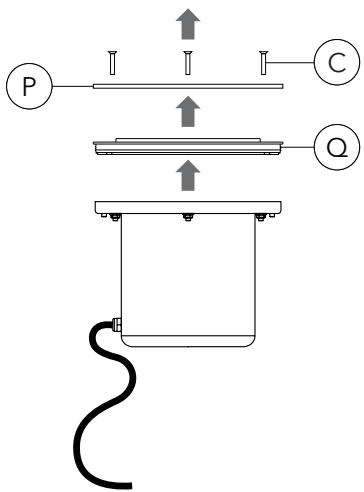
- a) ON/OFF or wireless (L = Phase, N = Neutral,  $\oplus$  = Earthing)
- b) 1-10 V/DALI (L = Phase, N = Neutral,  $\oplus$  = Earthing, DA/DA = DALI control line, D-/D+ = 1-10 V control line).
- c) DMX: for ETC340-GB refer to separate TO9256W wiring instruction for hybrid DMX cable.

Please refer to instruction inside SJB packaging.

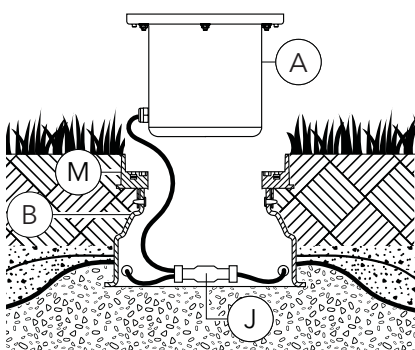
For operation with Tunable White, a DALI DT8 controller is required.



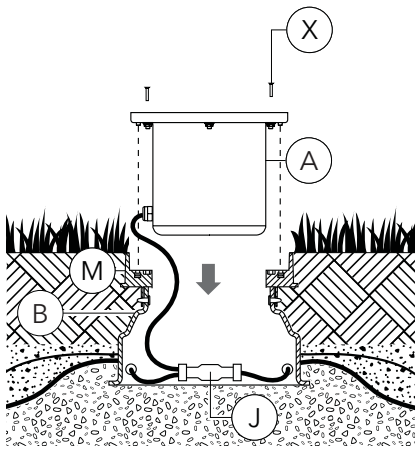
12) Remove cover **P** and lens/gasket **Q** by loosening screws **C**. Ensure that no dirt gets into the luminaire during installation.



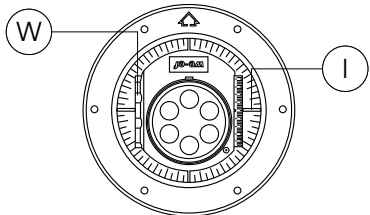
13) Set cables and sealable junction box **J** inside installation blockout **B**.



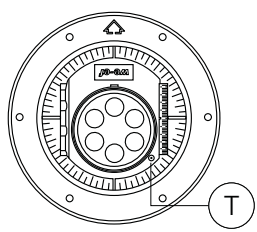
14) Place housing **A** into blockout/mounting ring assembly **B/M**. Tighten screws **X**.



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

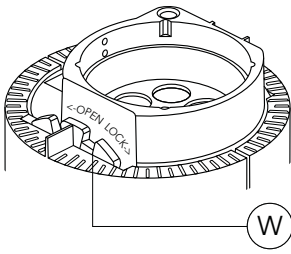


15.2) Insert screw driver into hole **T** to aim vertically.

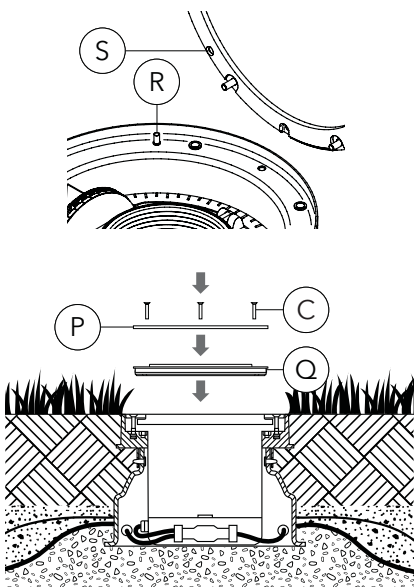




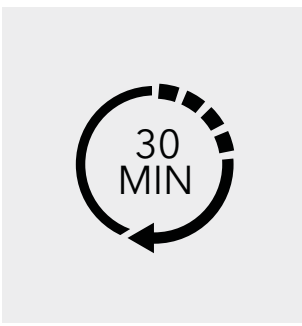
16) Reinsert screw driver into slot on locking wheel **W** and rotate it in the 'LOCK' direction. Use only moderate torque.



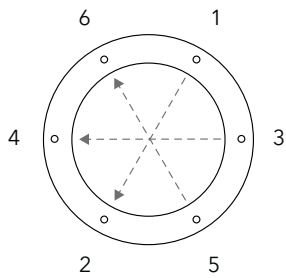
17) Ensure that all surfaces are clean and dry. Reposition lens/gasket assembly **Q** and cover **P**. Ensure that orientation pin **R** is align with hole **S** in gasket.



18) Switch on and wait 30 minutes.



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





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Technical specifications are  
subject to change.