



## WE-EF LEUCHTEN

### Installation and Maintenance Instructions

#### Inground Luminaire

**ETC130-FS LED**

**EVC130-FS LED**

**ETC140-FS LED**

**EVC140-FS LED**



#### **Do not open during installation**

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



#### **Surge Protection**

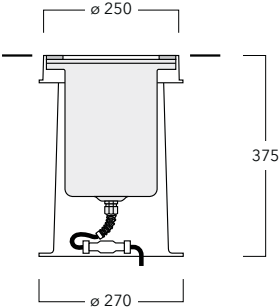
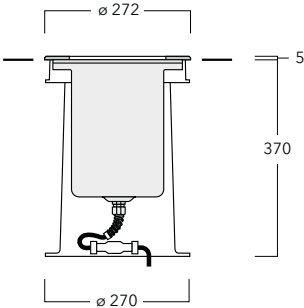
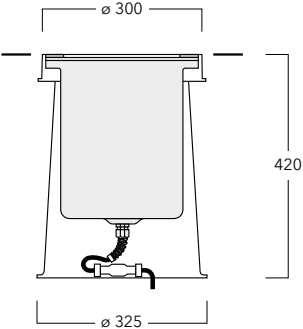
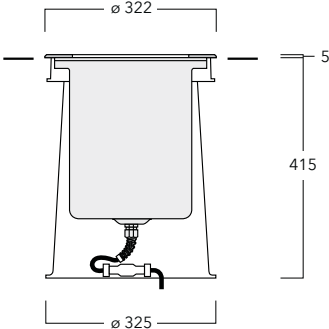
This product features built-in surge protection circuitry in compliance with applicable standards.

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

<div><p><b>ETC130-FS</b></p><p>Technical drawing of the ETC130-FS inground luminaire. It shows a trapezoidal body with a top diameter of 250 and a bottom diameter of 270. The height is 375. A cable entry is shown at the bottom.</p></div>	<div><p><b>EVC130-FS</b></p><p>Technical drawing of the EVC130-FS inground luminaire. It shows a trapezoidal body with a top diameter of 272 and a bottom diameter of 270. The height is 370. It features a 5mm thick top flange and a cable entry at the bottom.</p></div>
<div><p><b>ETC140-FS</b></p><p>Technical drawing of the ETC140-FS inground luminaire. It shows a trapezoidal body with a top diameter of 300 and a bottom diameter of 325. The height is 420. A cable entry is shown at the bottom.</p></div>	<div><p><b>EVC140-FS</b></p><p>Technical drawing of the EVC140-FS inground luminaire. It shows a trapezoidal body with a top diameter of 322 and a bottom diameter of 325. The height is 415. It features a 5mm thick top flange and a cable entry at the bottom.</p></div>

IP69, Class I, ta = 40°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

For proper installation, use the supplied installation blockout.

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

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

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

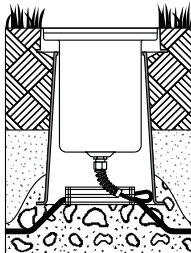


Fig. I

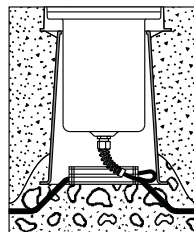


Fig. II

## Phase One

### Blockout Installation Procedure

(during earth or masonry work)

- 1) Ensure a suitable recess is provided to accommodate installation blockout/mounting ring assembly **B/M**.
- 2) 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.
- 3) 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.

## Phase Two

### Luminaire Installation and Electrical Connection

- 4) Switch off mains electrical supply.
- 5) Check that rating shown on luminaire label conforms with mains electrical supply.
- 6) 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.
- 7) Peel-off stickers on fixing thread holes **D**. Set cables and sealable junction box **J** inside installation blockout/mounting ring assembly **B/M**.

#### For wallwash illumination only

Ensure the arrow indicated on the sticker is facing the illuminated surface (Fig. IV)

- 8) 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. III) 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. IV).
- 9) Tighten countersunk screws **C** 'hand-tight'.

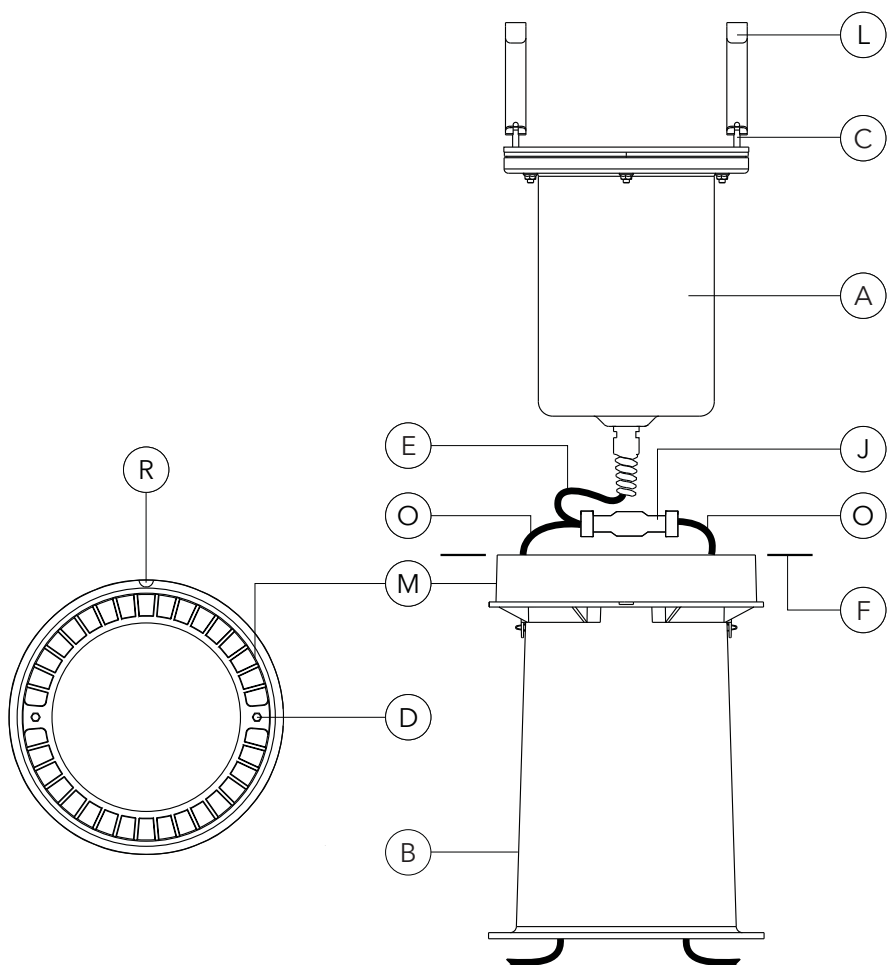


Fig. III

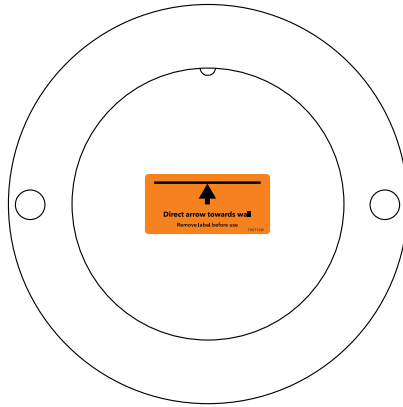


Fig. IV

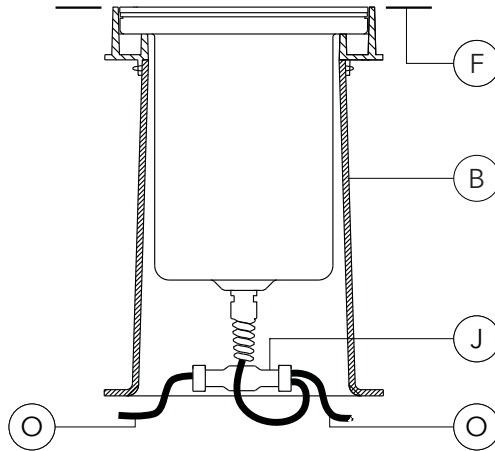


Fig. V



[www.we-ef.com](http://www.we-ef.com)

#### **WE-EF LEUCHTEN**

Germany

Tel +49 5194 909 0

Fax +49 5194 909 299

[info.germany@we-ef.com](mailto:info.germany@we-ef.com)

#### **WE-EF LUMIERE**

France

Tel +33 4 74 99 14 44

Fax +33 4 74 99 14 40

[info.france@we-ef.com](mailto:info.france@we-ef.com)

#### **WE-EF SWITZERLAND**

Switzerland

Tel +41 22 752 49 94

Fax +41 22 752 49 74

[info.switzerland@we-ef.com](mailto:info.switzerland@we-ef.com)

#### **WE-EF LIGHTING**

Thailand

Tel +66 2 738 9610

Fax +66 2 175 2174

[info.asiapacific@we-ef.com](mailto:info.asiapacific@we-ef.com)

#### **WE-EF LIGHTING**

Australia

Tel +61 3 8587 0444

Fax +61 3 8587 0499

[info.australia@we-ef.com](mailto:info.australia@we-ef.com)

#### **WE-EF LIGHTING**

United States of America

Tel +1 724 742 0030

Fax +1 724 742 0035

[info.usa@we-ef.com](mailto:info.usa@we-ef.com)

TO9125W0823 © WE-EF 2023

Technical specifications are  
subject to change.