

WE-EF LEUCHTEN

Installation and Maintenance
Instructions



Inground Luminaire

ESC130-FS LED

ESC140-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.

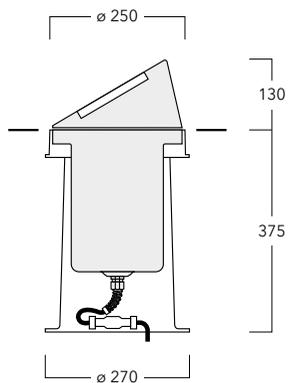
For comprehensive protection of a luminaire installation against lightning and electrical surges, it is essential to cover mains supply and data input lines at the distribution board level, by using respective primary (Type 1) and secondary (Type 2) surge arrestors in compliance with EN61643-11/ IEC61643-1.

Warning

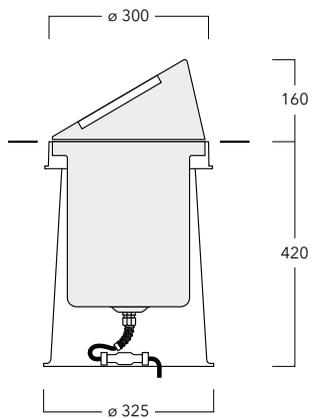
Ensure that all required surge protection measures are in place and activated prior to luminaire installation. Also, disconnect luminaires before operating high-power devices such as, for example, electrical arc welders.

Inground Luminaire

ESC130-FS



ESC140-FS



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

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.

Minimum Distance

Ensure the minimum distance for objects to be illuminated is correct (see illustration  inside luminaire).

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

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

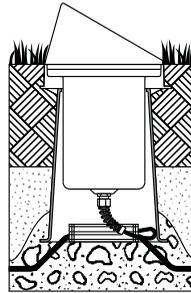


Fig. I

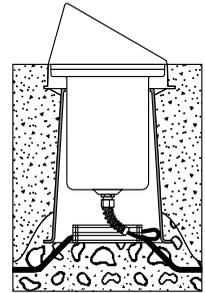


Fig. II

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**.
- 8) Remove hood assembly **H** by loosening screws **K**.
- 9) 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).
- 10) Tighten countersunk screws **C** 'hand-tight'.
- 11) Reposition hood assembly **H** and tighten screws **K**.

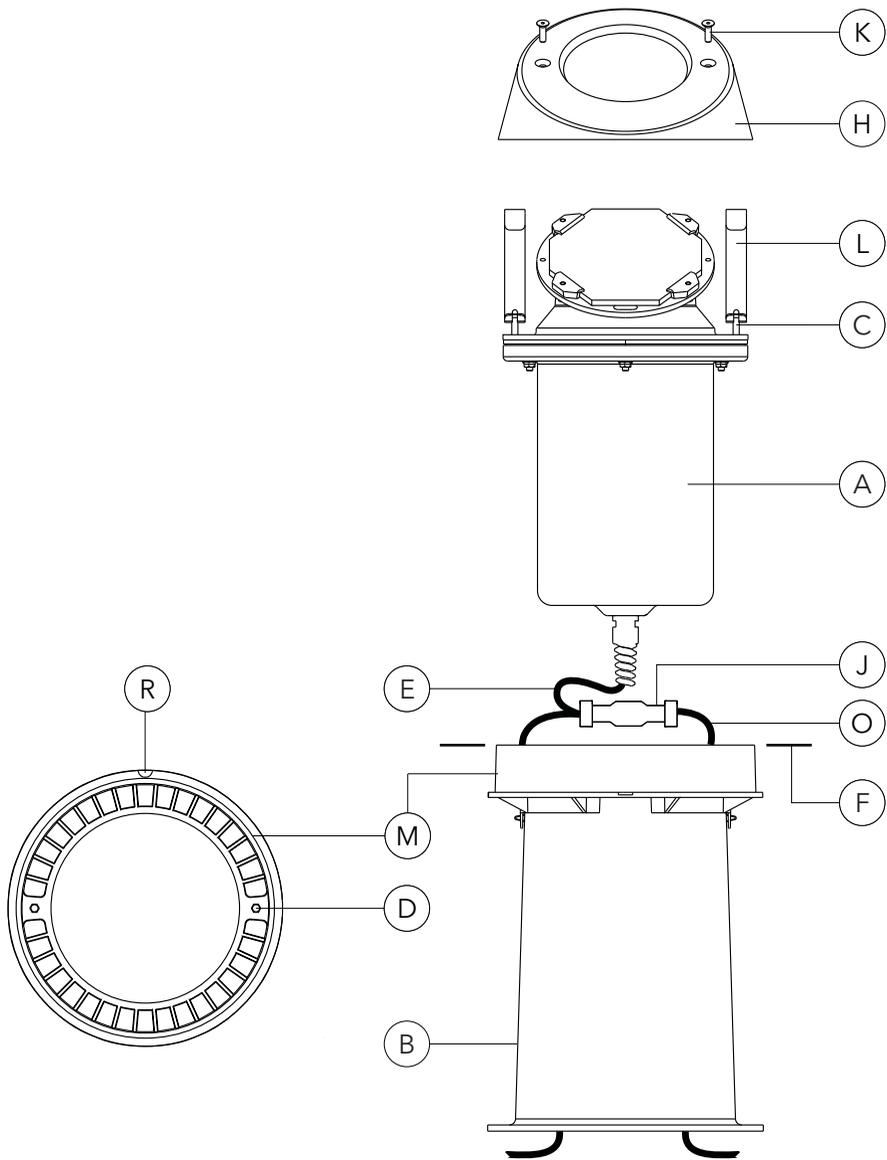


Fig. III

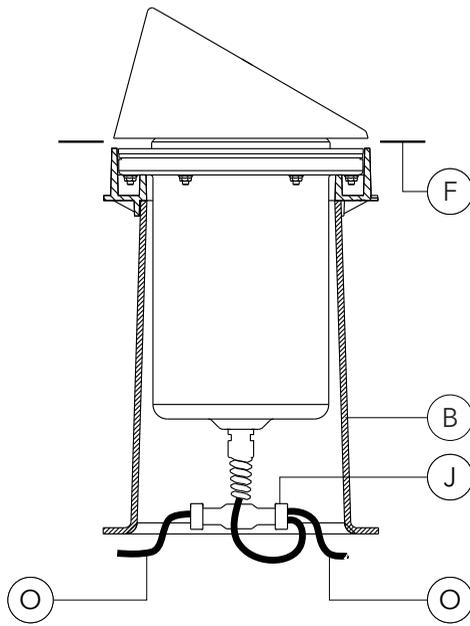


Fig. IV

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Technical specifications are
subject to change.