



WE-EF LEUCHTEN

Installation and Maintenance
Instructions

Inground Luminaire
ETC120-GB LED



Surge Protection

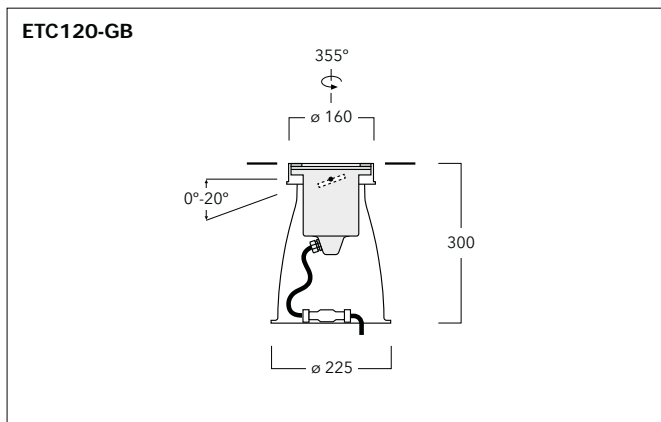
This product features built-in surge protection circuitry in compliance with applicable standards.

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



IP69, Class I, taA = 25°C

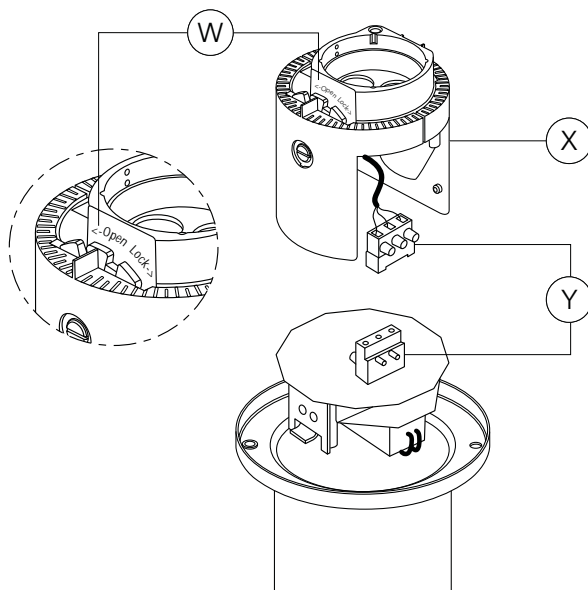


Fig. I

Light Source

LED

Maintenance

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

- 1) Switch off mains electrical supply.
- 2) Remove cover and lens/gasket assembly. Clean all surfaces and ensure that threaded entries are free from dirt by using a wet cloth with mild detergent.
- 3) Check gasket for damage and replace if necessary.

Attention: In case of damage to the lens, the complete lens/gasket assembly must be replaced.

- 4) In case of damage to the LED, the complete gimbal module **X** must be returned to WE-EF for factory-maintenance (contact your authorised WE-EF agent for service). To remove the gimbal module proceed as follows (Fig. I):

a) Rotate wheel **W** (using a standard tool) in the direction of the 'open' mark until the gimbal module can be pulled out of the luminaire housing.

b) Detach terminal connector **Y** and remove gimbal module **X**.

c) Properly package gimbal module **X** and return to WE-EF for factory-maintenance.

Attention: During the factory-maintenance period, ensure both the luminaire cover and lens are secured in position.

- 5) To install gimbal module **X**, attach terminal connector **Y**. Set gimbal module **X** into luminaire housing. Rotate wheel **W** in the direction of the 'lock' mark until gimbal module **X** is firmly secure. Follow steps 11-16 to close the luminaire (see: Phase Two - Luminaire Installation, Electrical Connection, and Aiming Procedure).

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

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.

Installation Methods

For proper installation, use the supplied installation blockout.

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

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

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

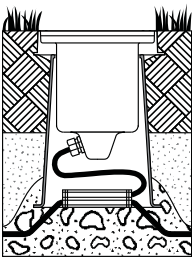


Fig. II

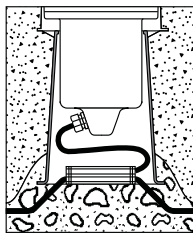


Fig. III

Phase One

Blockout Installation Procedure

(during earth or masonry work)

- 1) Ensure a suitable recess is provided to accommodate installation blockout/mounting ring assembly **L/H**.
- 2) Set installation blockout/mounting ring assembly **L/H** in position and ensure that:
 - a) Arrow **R** on mounting ring **H** is pointed towards the object to be illuminated (wall, tree, column).
 - b) Mounting ring **H** 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 **N** from luminaire.
- 3) During ongoing earth and/or masonry works, do not remove screws **M** from mounting ring **H**. Ensure that installation blockout/mounting ring assembly **L/H** is not damaged and has maintained its original shape. If necessary use a cover plate.

Phase Two

Luminaire Installation, Electrical Connection, and Aiming Procedure

- 4) Switch off mains electrical supply.
- 5) Check that rating shown on luminaire label conforms with mains electrical supply.
- 6) Remove screws **M** from mounting ring **H**.
- 7) Use sealable junction box **J** to connect luminaire cable **N** to mains supply cable **O** (for individual wiring or branch through wiring). Follow the sealable junction box termination instruction included in the packaging.
- 8) Remove cover **A** and lens/gasket assembly **B** by loosening screws **D**.
- 9) Set cables and sealable junction box **J** inside installation blackout **L**.
- 10) Place luminaire housing **C** into installation blackout/mounting ring assembly **L/H**. Secure luminaire with mounting ring **H** by tightening screws **M**.
Warning: When luminaire is placed inside installation blackout **L**, ensure there is no stress on sealable junction box **J** or electric cables (Fig. IV).
- 11) Switch on mains electrical supply to ignite the factory-installed LED.

Rotate and tilt the gimbal optic

- 12) Insert a standard tool into one of the radial cavities of wheel **W**. Rotate wheel **W** in the direction of the 'open' mark until the gimbal optic can freely rotate and tilt (Fig. V).

To rotate the gimbal optic

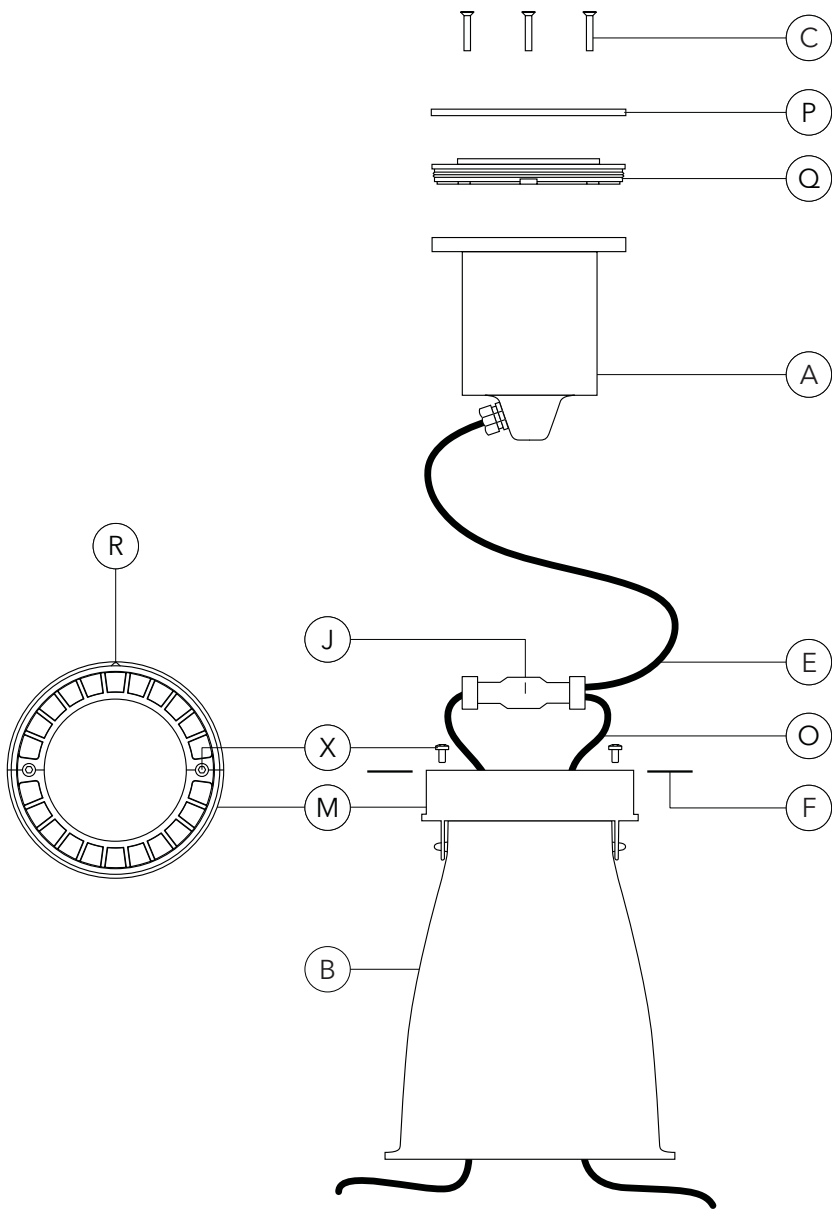
(360° rotatable)

- a) Grasp both sides of catching ribs **E**.
- b) Rotate gimbal optic to the desired orientation (while observing the degree on protractor scale **G**).

To tilt the gimbal optic

(swivel-tilted 0-20°, 2° steps)

- c) Insert a standard tool into hole **T**.
 - d) Tilt gimbal optic to the desired orientation (while observing the degree on protractor scale **U**).
- 13) Insert a standard tool into one of the radial cavities of wheel **W**. Rotate wheel **W** in the direction of the 'lock' mark until the gimbal optic is firmly secured (Fig. V).
Warning: Do not apply more torque than required to firmly secure the gimbal optic.
 - 14) Ensure that all surfaces are clean and dry. Reposition cover **A**, lens/gasket assembly **B** and screws **D** on luminaire housing **C**.
 - 15) Leave the LED ignited for approximately 30 minutes to allow any moisture to evaporate (do not tighten screws **D**).
Attention: Do not switch off LED before luminaire is properly sealed.
 - 16) Tighten screws **D** (in a criss-cross pattern) until all screws are properly seated and secured. Repeat tightening procedure, again in a criss-cross pattern, for another two rounds with a torque of 3 Nm.



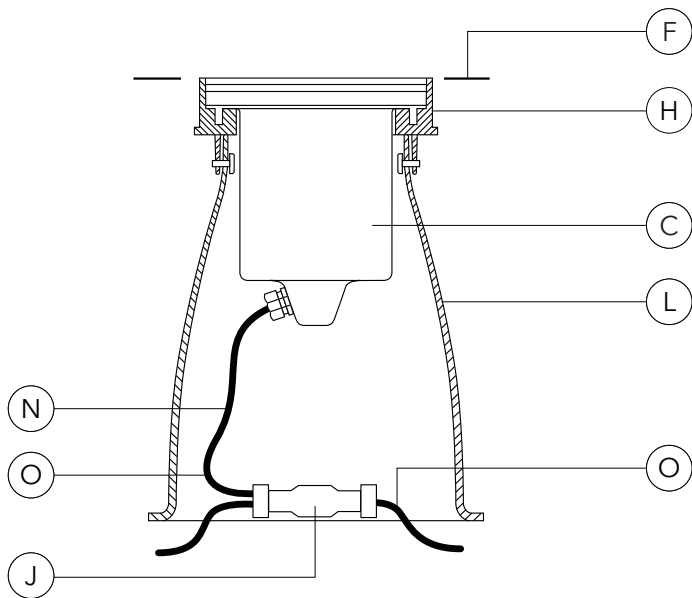


Fig. IV

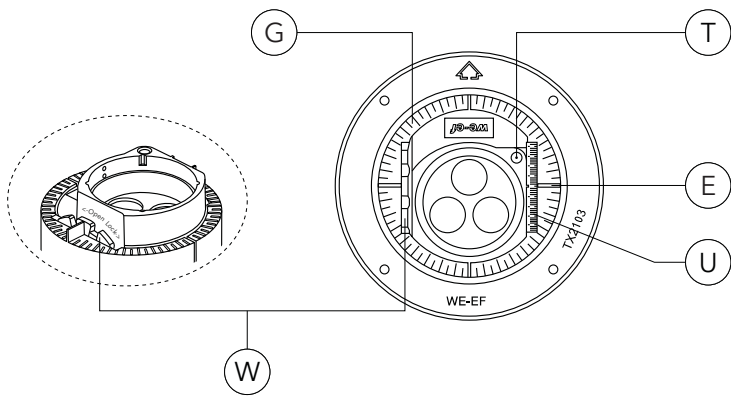


Fig. V

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Technical specifications are
subject to change.