



WE-EF LEUCHTEN
Installation and Maintenance
Instructions

Projector
FLC301 Surface mounted



Do not open during installation

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



Installation tools

Mounting hardware used on this product includes fasteners with hexalobular socket heads (ISO 10664). Installation requires the use of matching tools.



Surge Protection

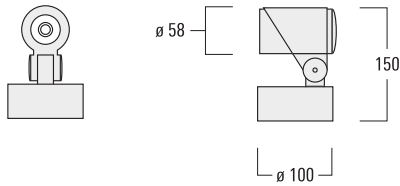
This product features built-in surge protection circuitry in compliance with applicable standards.
For comprehensive protection of a luminaire installation against lightning and electrical surges, it is essential to cover mains supply and data input lines at the distribution board level, by using respective 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.

Projector

FLC301 Surface mounted



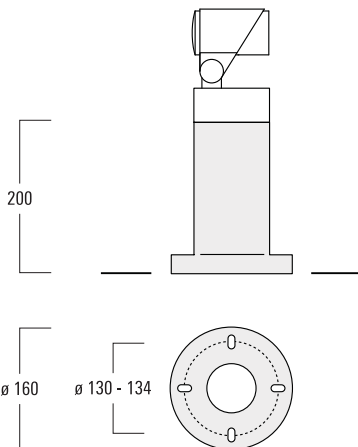
IP66, IK08. Class I. $T_a = 40^\circ\text{C}$

Weight	kg
for FLC301 Surface mounted	0.8

Mounting Accessories

Short post

EM1 for FLC301 Surface mounted	145-9200
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Installation instruction is available in additional document, T09221W

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.

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

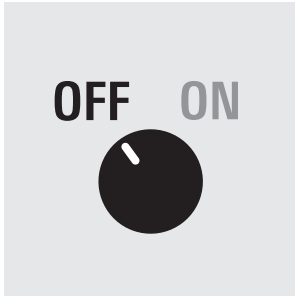
Important: When mounting luminaires on concrete or surfaces containing limestone content, WE-EF recommends using mounting accessories – a short post or a ground spike to prevent galvanic corrosion. In areas where mounting accessories are not applicable, ensure the luminaire's aluminium base is separated from concrete and limestone using a plastic or rubber sheet. Allow concrete to cure before installation – DO NOT INSTALL ON WET CONCRETE!

Handling: Ensure the mounting flange plates are handled with care, scratches and damage to the coated surface can result in galvanic corrosion.

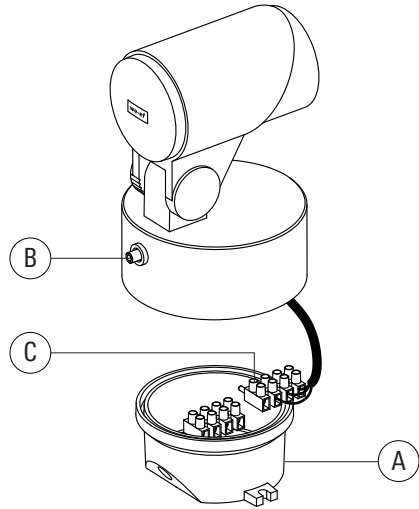
A WE-EF warranty does not cover any adverse reaction or damage, due to improper installation and requests that our recommendations are followed.

Installation Procedure

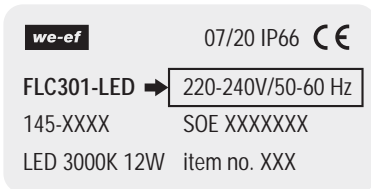
- 1) Switch off and isolate mains electrical supply.



- 2) Remove mounting flange A by loosening screw B (Torx T-20, not supplied by WE-EF). Detach terminal connector C.

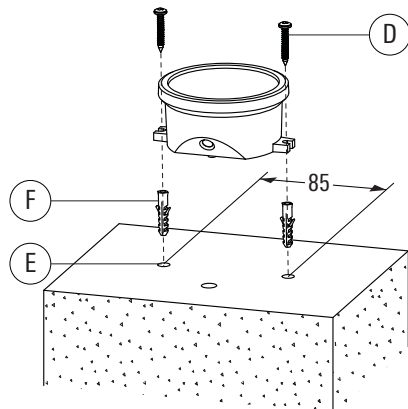


- 3) Check that rating shown on luminaire label conforms with mains electrical supply.



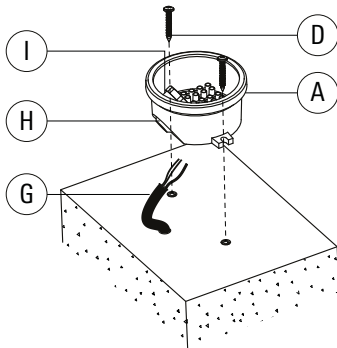
(example)

- 4) Determine position for ST4.2 fixing screws D*. Drill relevant holes E and insert wall plugs F*.
- Warning:** Ensure not to damage any electrical cable, water pipe or other devices while drilling holes.

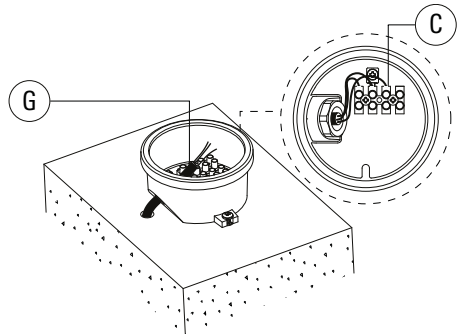


*not supplied by WE-EF

- 5) Feed mains supply cable **G** through the pressure screw **I**, while setting mounting flange **A** in position. To fix mounting flange **A**, insert and tighten screws **D**. The pre-installed packing ring **H** is suitable for cable diameters 7 to 9.5 mm. For larger cable diameters (9 to 12 mm) or TPS cable (1.5 to 2.5mm), use the auxiliary packing ring supplied. Then tighten the pressure screw **I**.

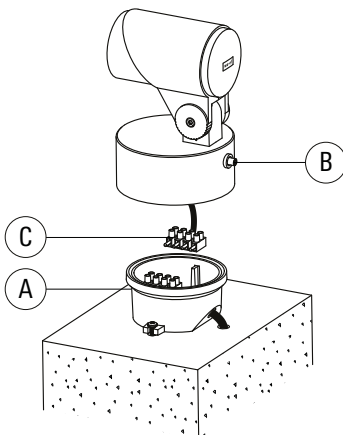


- 6) Connect mains supply cable **G** leads to respective terminals in terminal connector **C**:
- a) ON-OFF (L = Phase, N = Neutral, ⊕ = Earthing)
 - b) ON/OFF 24VDC (+ = positive pole, - = negative pole)

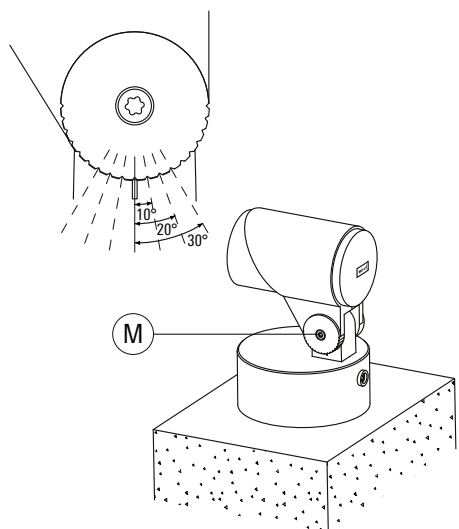


"Operation with 24VDC is only permitted with a SELV power supply suited for Class III appliances."

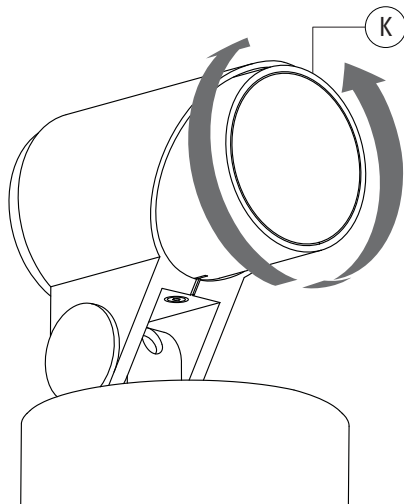
- 7) Ensure that all surfaces are clean and dry. Attach terminal connector **C** and position luminaire over mounting flange **A**. Turn luminaire towards object to be illuminated. Tighten screw **B**.



- 8) Loosen screw **M** slightly by torx T-20 (not supplied by WE-EF). Aim luminaire in desired direction, retighten screw **M**.



9) For accessory Linear Spread Lens IO-180: Turn frame K to set desired orientation of light.



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Technical specifications are
subject to change.

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WE-EF LEUCHTEN
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Accessory
Short post

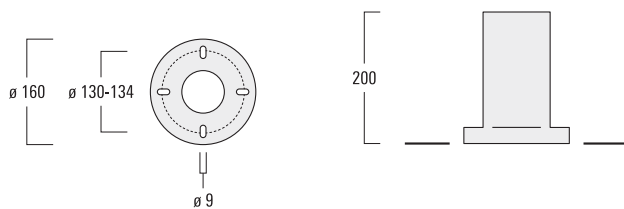


Accessories

Suitability

1. FLB100 Surface mounted
2. FLC300 Surface mounted
3. FLD100 Surface mounted

Short post



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.

The EM1-2 short post can be mounted either to a planted root or to an anchor bolt assembly secured in a cast concrete foundation. It is assumed that the mounting option chosen has been designed and constructed to satisfy prevailing load, location and soil type conditions, and is ready to receive the EM1-2 short post.

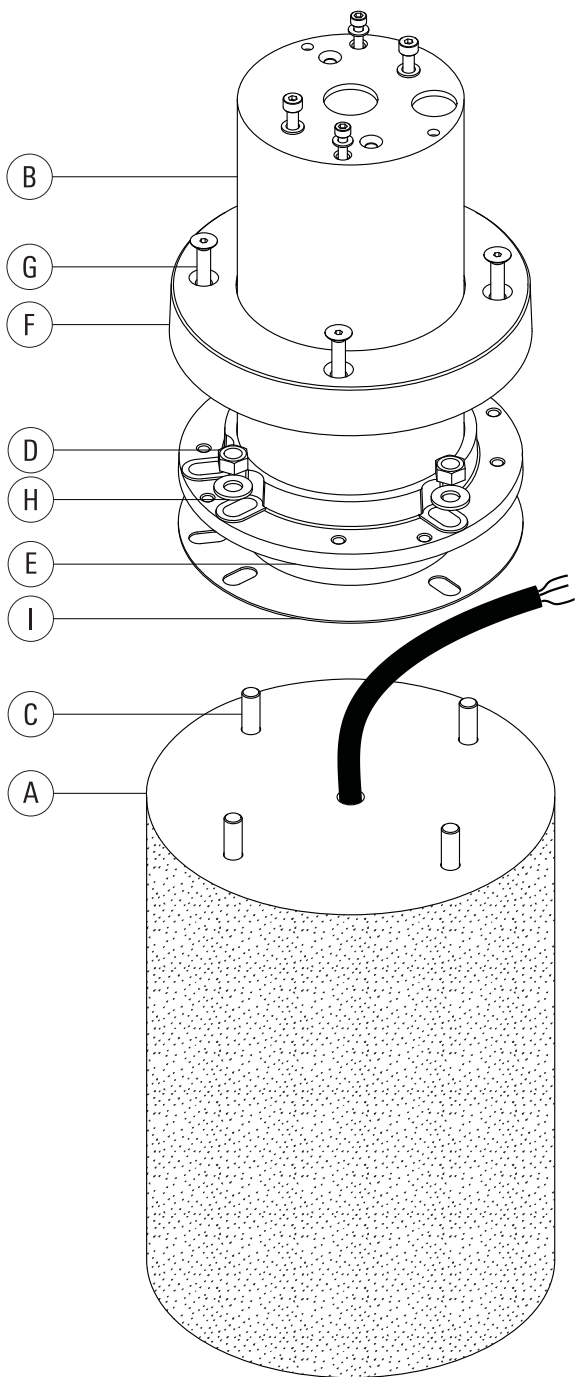
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Installation Procedure

- 1) Ensure mounting surface **A** is clean and free of debris.
- 2) Ensure anchor bolts **C** suit hole pattern in short post's flange plate **E** and feature appropriate, levelled protrusion from surface **A**.
- 3) Place rubber patch **I** on mounting surface **A**.
- 4) Mount short post **B**. Adjust nuts **D** and washers **H** on anchor bolts **C** and ensure the short post **B** is perpendicular to the ground.
- 5) Secure cover **F** by tightening cover screws **G** to the flange plate.



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