



**WE-EF LEUCHTEN**  
Installation and Maintenance  
Instructions

Projector  
FLC301 Spigot 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**

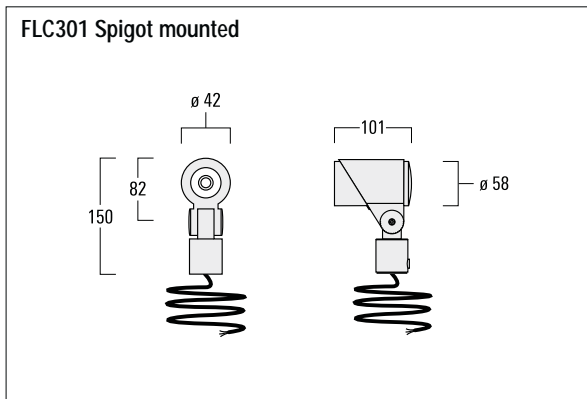
This product features built-in surge protection circuitry in compliance with applicable standards.

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



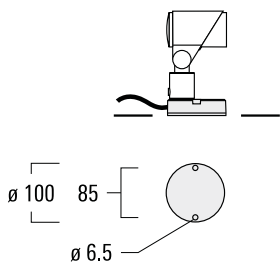
IP66, IK08. Class I.  $T_a = 40^\circ\text{C}$

<b>Weight</b>	kg
for FLC301 Spigot mounted	0.7

## Mounting Accessories

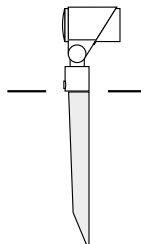
### Flat surface fitter

SF-FLC1 for FLC301 Spigot mounted **145-9535**



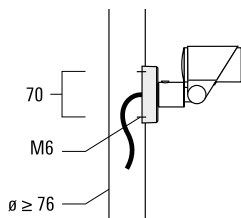
### Ground spike

EF1 for FLC301 Spigot mounted **310-9102**



### Column fitter

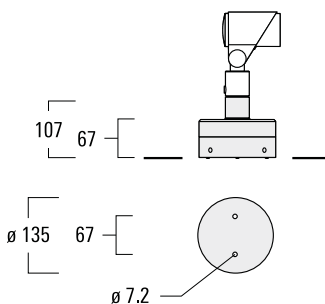
CF-FLC1 for FLC301 Spigot mounted **145-9536**



### Junction box

JB1 with side entry for FLC301 Spigot mounted **310-9002**

JB1 with wall entry for FLC301 Spigot mounted **310-9025**



**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.

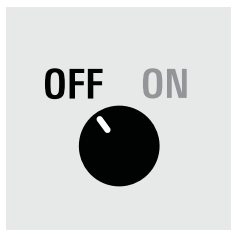
**Warning:** Switch off mains electrical supply prior to installing and connecting the luminaire.

**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.

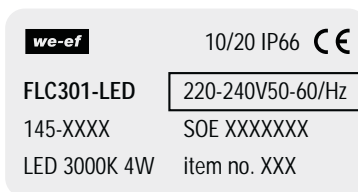
The installation on site must comply with local and/or national health and safety regulations.

## Installation Procedure

- 1) Switch off mains electrical supply.

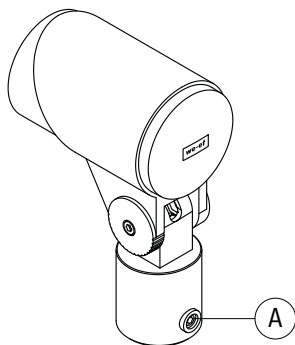


- 2) Check that rating shown on luminaire label conforms with mains electrical supply.



(example)

- 3) Loosen screw **A**.

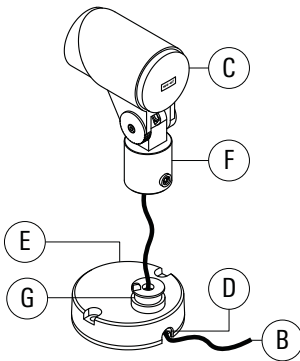


- 4) Place luminaire on one of the following mounting accessories.

**Mounting accessory installation instruction is available in additional document, T09253W.**

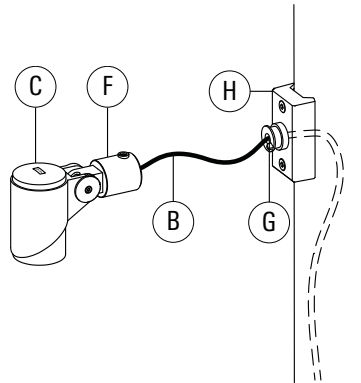
### Flat surface fitter

4.1) Prior to installation of surface fitter, feed cable **B** from luminaire **C** through pivot **G** and hole **D** of surface fitter **E**. Slide slipfitter **F** over pivot.



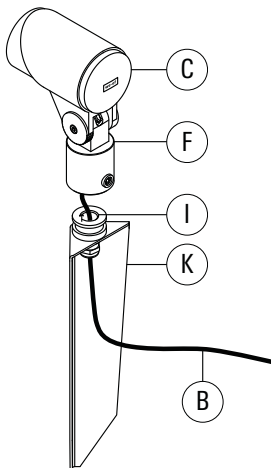
### Column fitter

4.2) Feed cable **B** from luminaire **C** through pivot and cable entry **G** of column fitter **H**. Slide slipfitter **F** over pivot.



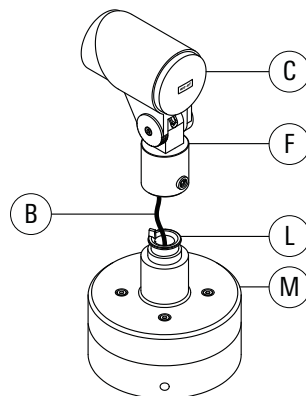
### Ground spike

4.3) Feed cable **B** from luminaire **C** through pivot and cable entry **I** of ground spike **K**. Slide slipfitter **F** over pivot.

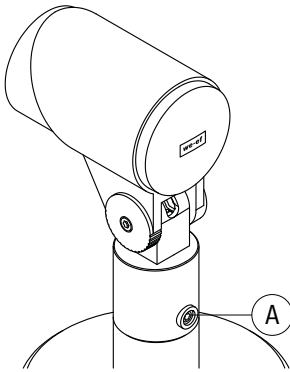


### Junction box

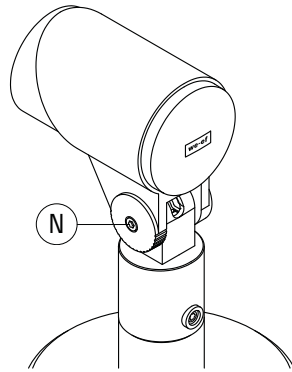
4.4) Feed cable **B** from luminaire **C** through pivot and cable entry **L** of junction box **M**. Slide slipfitter **F** over pivot.



- 5) Turn luminaire towards object to be illuminated. Ensure slipfitter is properly seated on pivot, then tighten screw **A**.



- 6) Loosen screw **N**. Aim luminaire in desired direction and tighten screw **N**.

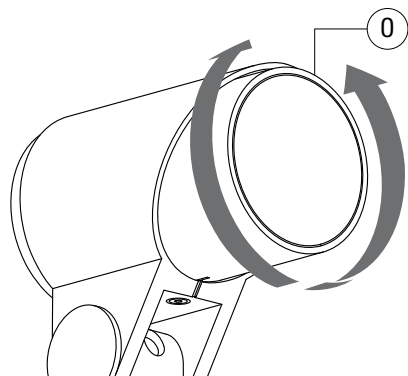


- 7) Connect mains supply cable **G** leads to respective terminals in terminal connector **C**:

- a) ON-OFF (L = Phase, N = Neutral, ⊕ = Earthing)
- b) ON/OFF 24VDC (+ = positive pole, - = negative pole)
- c) DALI 24VDC (+ = positive pole, - = negative pole, DA/DA = DALI control line, ⊕ = Earthing)

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

- 8) For accessory Linear Spread Lens IO-180 or Glare Shield ES-FLC301: Turn frame **O** to set desired orientation of light or shielding.



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Technical specifications are  
subject to change.





## WE-EF LEUCHTEN

### Installation and Maintenance Instructions

#### Accessories

Flat surface fitter

Ground Spike

Column fitter

Junction box



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#### **Surge Protection**

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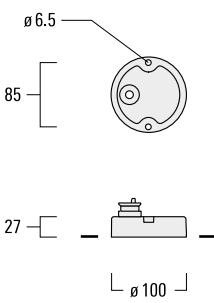

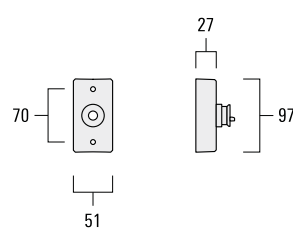
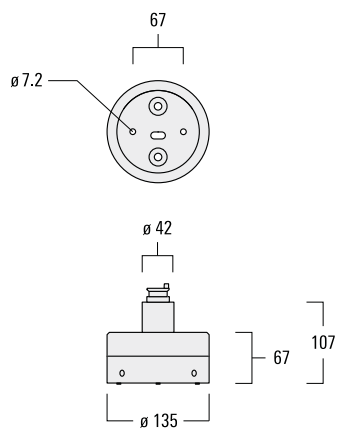
#### **Warning**

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## Accessories

### Suitability

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

<p><b>Flat surface fitter</b>    145-9535</p> 	<p><b>Ground spike</b>    310-9102</p> 
<p><b>Column fitter</b>    145-9536</p> 	<p><b>Junction box (Side entry)</b>    310-9002 <b>Junction box (Wall entry)</b>    310-9025</p> 

## **Installation**

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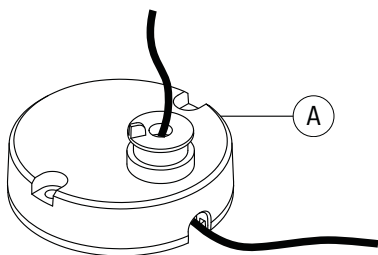
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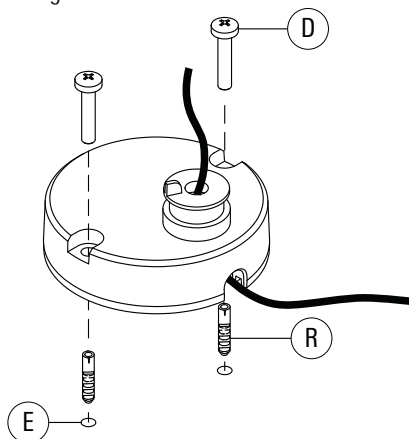
## Installation Procedure

### Flat surface fitter

- 1) Feed cable from luminaire through pivot and hole of flat surface fitter **A**

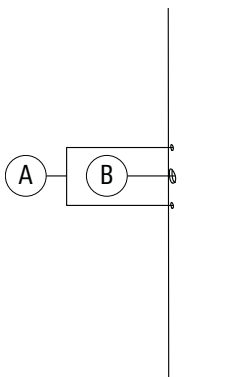


- 2) Determine position for fixing screws **D**.  
Drill relevant holes **E** and insert nylon plugs **R**. Insert and tighten screws **D**.  
**Warning:** Ensure not to damage any electrical cable, water pipe or other items drilling holes.

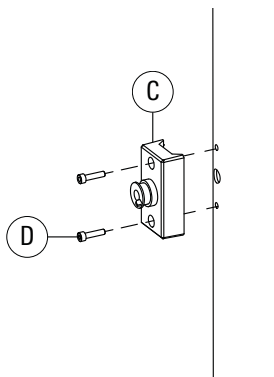


### Column fitter

- 1) Drill screw holes **A** and cable entry hole **B** in column. Ensure cable entry hole **B** has sufficient diameter to feed cable from luminaire.



- 2) Set and fix column fitter **C** in position.  
Insert and tighten screws **D**.

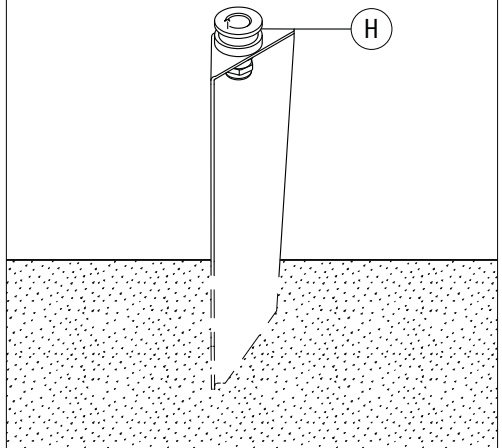


## Ground Spike

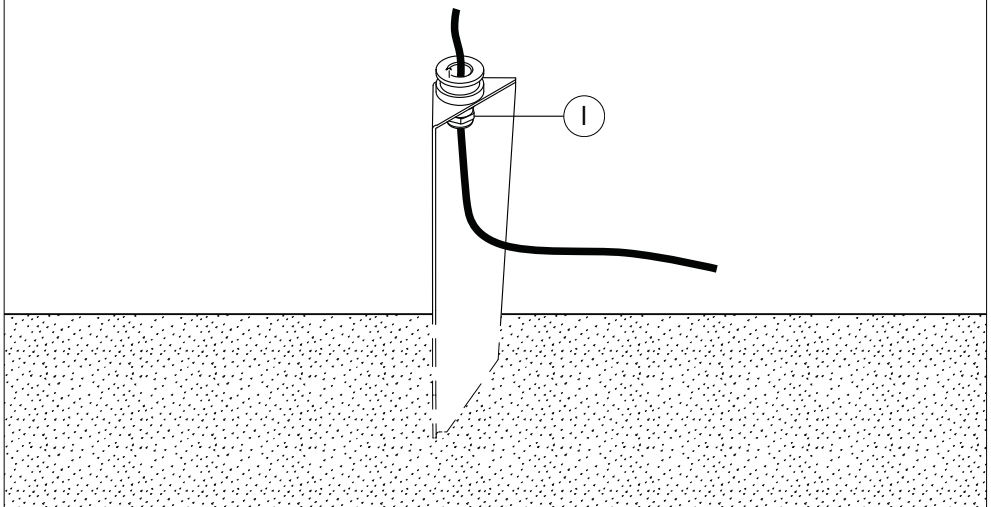
- 1) **Note:** It is the responsibility to installer to ensure the suitability of the ground spike for site-specific conditions.



- 2) Place ground spike **H** into the ground.

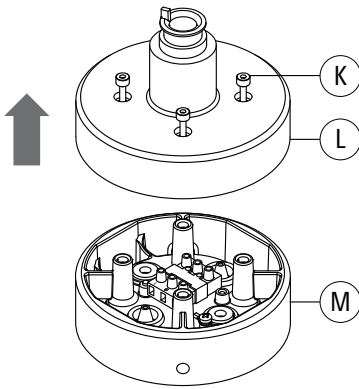


- 3) Feed cable from luminaire through pivot and cable gland **I**. After installation of luminaire, tighten cable gland **I**.

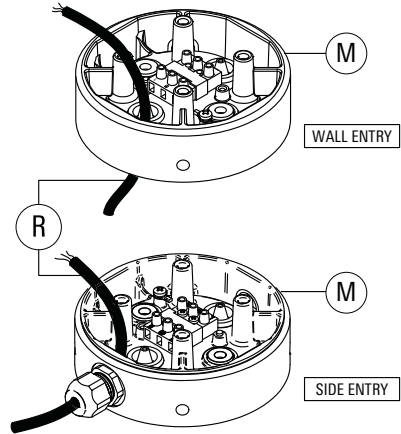


## Junction box

- 1) Loosen screws **K** and remove cover **L** from body **M**.

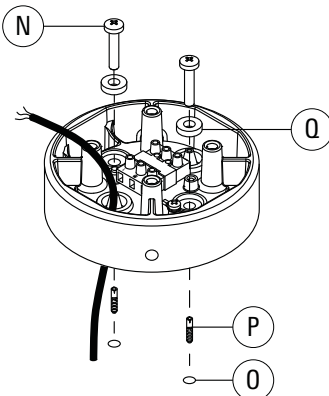


- 2) Feed main supply cable **R** through wall entry or side entry of body **M**.

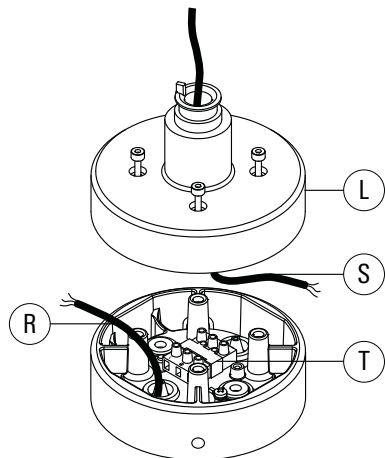


For side entry installations, replace the pre-installed plugs with provided cable glands as required.

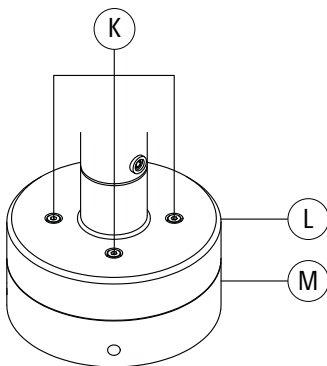
- 3) Determine position for fixing screws **N**. Drill relevant holes **O** and insert nylon plugs **P**. Insert screws **N** with washers **Q** and tighten.  
**Warning:** Ensure not to damage any electrical cable, water pipe or other items drilling holes.



- 4) Feed cable **S** from luminaire through pivot of cover **L**. Connect cable **R** and **S** to terminal block **T**.



5) After installation of luminaire, place cover L on body M and tighten screws K.



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