



## **WE-EF LEUCHTEN**

### Installation and Maintenance Instructions

Projector

**FLB141 #1 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.

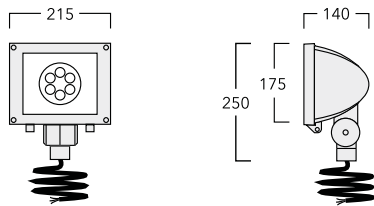
For comprehensive protection of a luminaire installation against lightning and electrical surges, it is essential to cover mains supply and data input lines at the distribution board level, by using respective primary (Type 1) and secondary (Type 2) surge arrestors in compliance with EN61643-11/ IEC61643-1.

#### **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.

Projector

FLB141 #1



IP66, IK08. Class I. ta = 40°C

<b>Weight</b>	kg
for FLB141 #1 LED	3.1

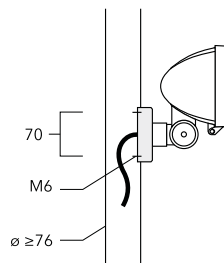
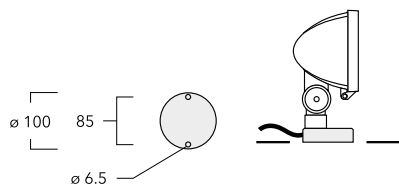
<b>Windage area</b>	m <sup>2</sup>
for FLB141 #1 LED	0.038

**Orientation:** all directions

Mounting Accessories

<b>Flat surface fitter</b>	
SF-FLD1 for FLB141 #1	145-9535

<b>Column fitter</b>	
CF-FLD1 for FLB141 #1	145-9536



**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.

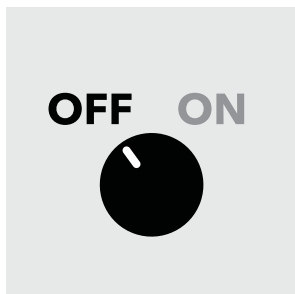
Claims based on defects attributable to improper installation and/or application, and the consequences thereof, are excluded.

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

## Installation Procedure


### Installation - Flat surface fitter

- 1) Switch off mains electrical supply.



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

**we-ef**

07/18 IP66 

**FLB141-LED** → 220-240V50-60/Hz

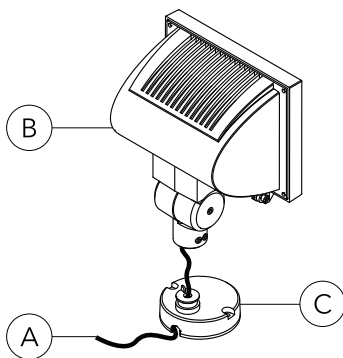
161-XXXX

SOE XXXXXXXX

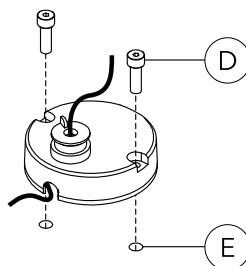
LED 3000K 18W item no. XXX

(example)

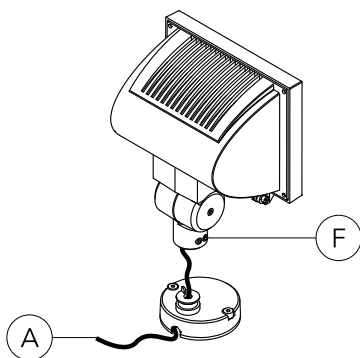
- 3) Feed cable **A** from luminaire **B** through pivot and hole of flat surface fitter **C**.



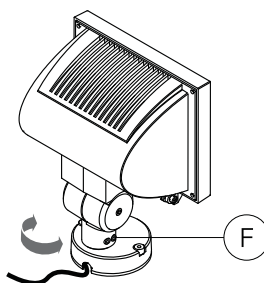
- 4) Determine positions for fixing screws **D**.  
Drill relevant holes **E** and insert nylon plugs.  
Insert and tighten screws **D**.  
**Warning:** Ensure not to damage any electrical cable, water pipe or other items drilling holes.



- 5) Loosen screws **F**. Slide slipfitter over pivot, while pulling cable **A** through hole.

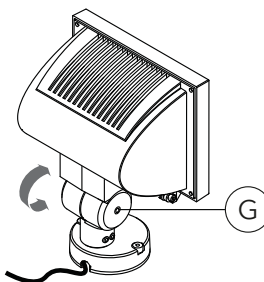


- 6) Turn luminaire towards object to be illuminated. Ensure slipfitter is properly seated on pivot, then tighten screws **F**.



- 7) Connect cable **A** with mains supply cable.  
a) ON/OFF (L = Phase, N = Neutral,  $\oplus$  = Earthing)  
b) 1-10 V/DALI (L = Phase, N = Neutral,  $\oplus$  = Earthing, DA/DA = DALI control line, D-/D+ = 1-10 V control line).

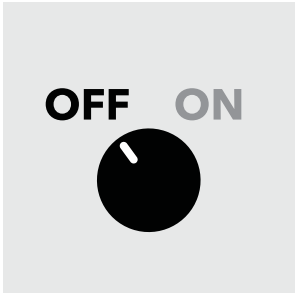

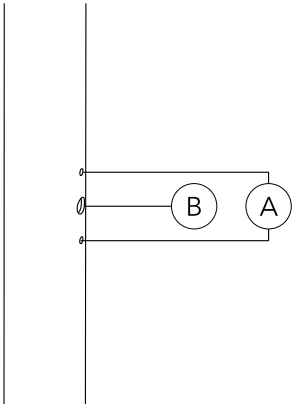
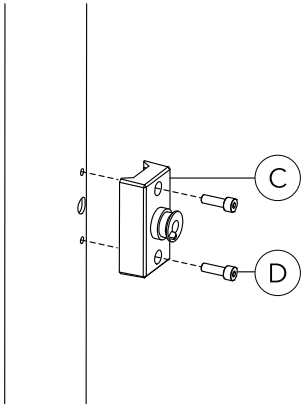
- 8) Loosen screw **G**. Aim luminaire in desired direction and tighten screw **G**.



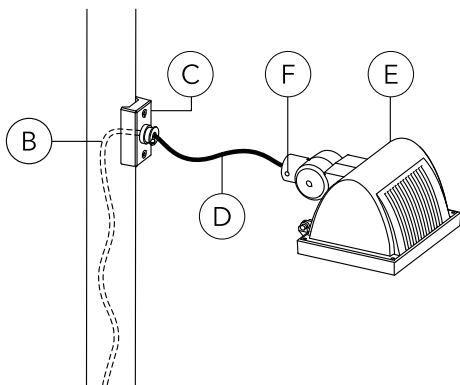
**Installation - Column fitter**

Suitable for column diameter  $\geq 76$  mm.

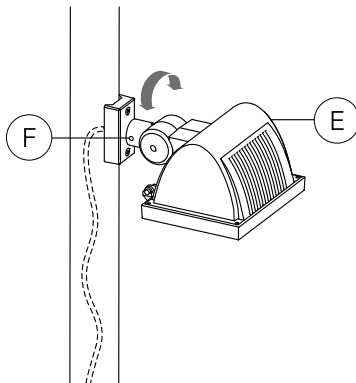
Service door on column has to be provided for cable termination (maximum 1.5 m from column fitter mounting position).

<p>1) Switch off mains electrical supply.</p> <div data-bbox="120 304 414 598"></div>	<p>2) Check that rating shown on luminaire label conforms with mains electrical supply.</p> <div data-bbox="609 316 972 501"><p><b>we-ef</b> 07/18 IP66 </p><p><b>FLB141-LED</b> → 220-240V50-60/Hz</p><p>161-XXXX SOE XXXXXXXX</p><p>LED 3000K 18W item no. XXX</p></div> <p>(example)</p>
<p>3) Drill screw holes <b>A</b> and cable entry hole <b>B</b> on column. Ensure cable entry hole <b>B</b> has sufficient diameter to feed cable from luminaire.</p> <div data-bbox="192 1050 483 1455"></div>	<p>4) Set and fix column fitter <b>C</b> in position. Insert and tighten screws <b>D</b>.</p> <div data-bbox="663 1050 965 1455"></div>

- 5) Loosen screws **F**. Feed cable **D** from luminaire **E** through pivot and cable entry hole **B**. Connect luminaire **E** with column fitter **C** by sliding slipfitter over pivot.

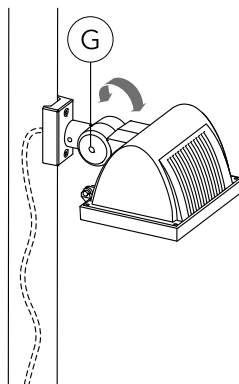


- 6) Turn luminaire **E** towards object to be illuminated. Ensure slipfitter is properly seated on pivot, then tighten screws **F**.



- 7) Connect cable **D** with mains supply cable.  
 a) ON/OFF (L = Phase, N = Neutral,  $\oplus$  = Earthing)  
 b) 1-10 V/DALI (L = Phase, N = Neutral,  $\oplus$  = Earthing, DA/DA = DALI control line, D-/D+ = 1-10 V control line).

- 8) Loosen screw **G**. Aim luminaire in desired direction and tighten screw **G**.







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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



### **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.

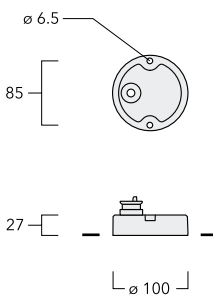
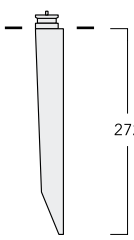
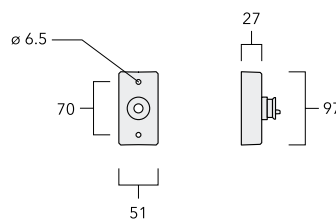
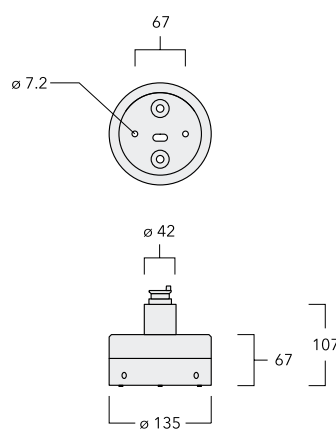
### **Warning**

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.

Accessories

Suitability

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

<p><b>Flat surface fitter    145-9535</b></p> 	<p><b>Ground spike    310-9102</b></p> 
<p><b>Column fitter    145-9536</b></p> 	<p><b>Junction box (Side entry - cable)    310-9002</b> <b>Junction box (Side entry - conduit)    310-9022</b> <b>Junction box (Wall entry)    310-9025</b></p> 

**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.

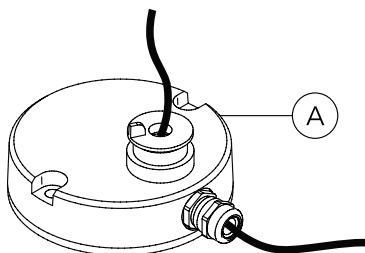
Installation instruction of each luminaire will be separated document.

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

## Installation Procedure

### Flat surface fitter

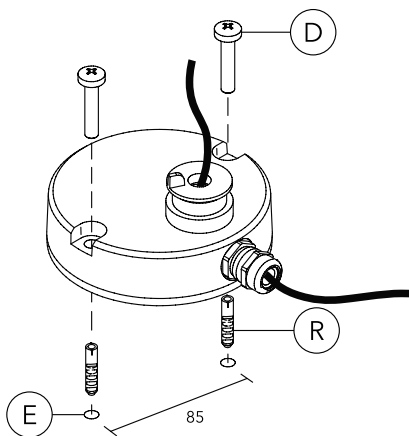
- 1) Feed cable from luminaire through pivot and cable gland of flat surface fitter **A**.



- 2) Determine position for fixing screws **D**\*.  
Drill relevant holes **E** and insert nylon plugs **R**\*.  
Insert and tighten screws **D**. After installation of luminaire, tighten cable gland.

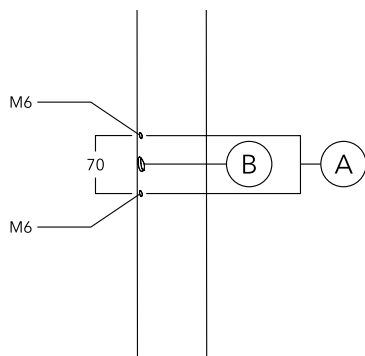
**Warning:** Ensure not to damage any electrical cable, water pipe or other items drilling holes.

\* Not supplied by WE-EF

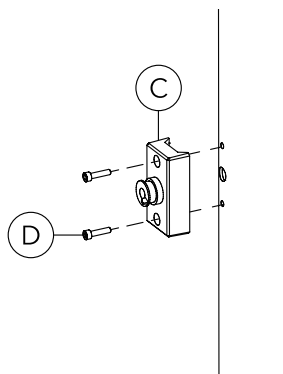


### Column fitter

- 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.

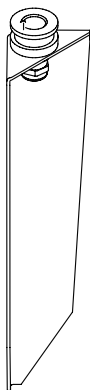


- 2) Set and fix column fitter **C** in position.  
Insert and tighten screws **D**.

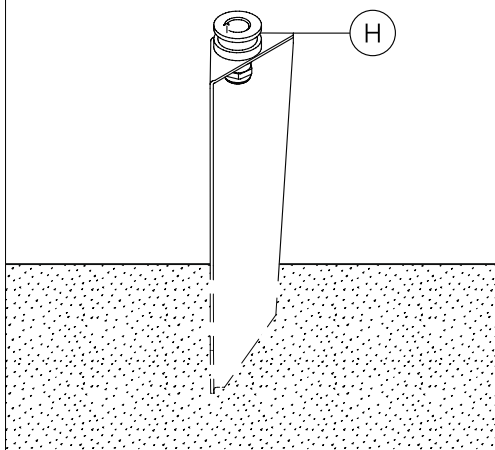


## Ground Spike

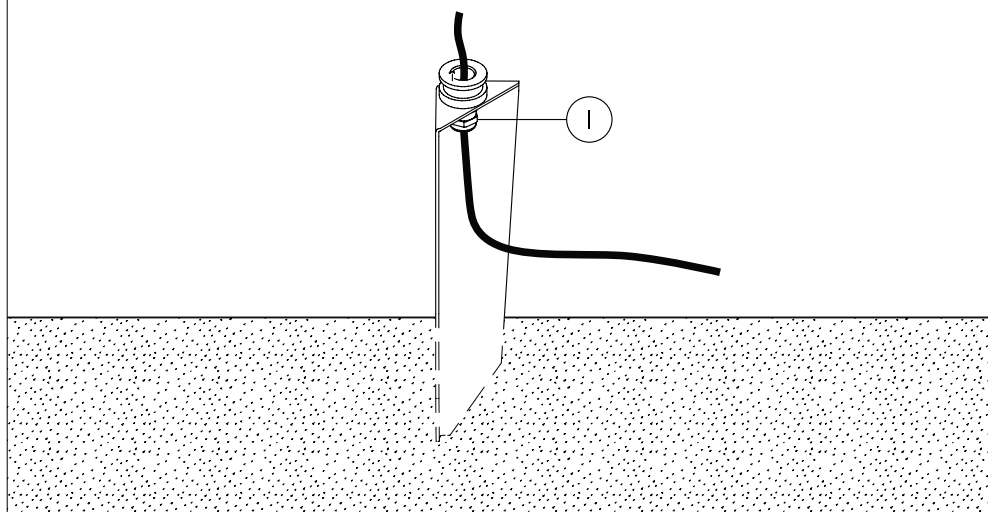
- 1) **Note:** It is the responsibility to installer to ensure the suitability of the ground spike for site-specific conditions.



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

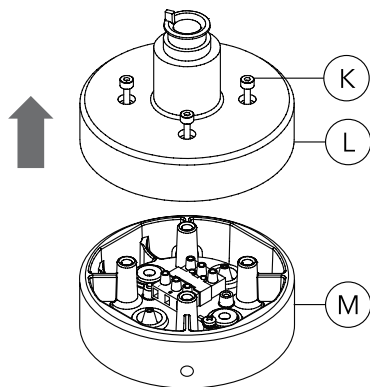


- 3) Feed cable from luminaire through pivot and cable gland **I**. After installation of luminaire, tighten cable gland **I**.

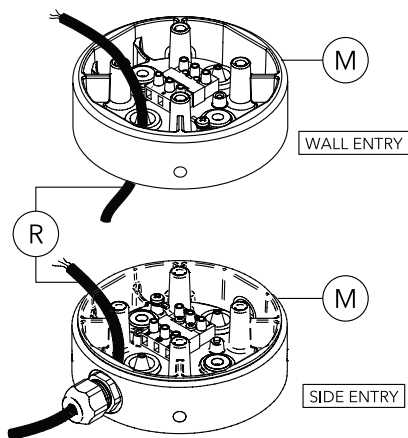


## Junction box

- 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**.

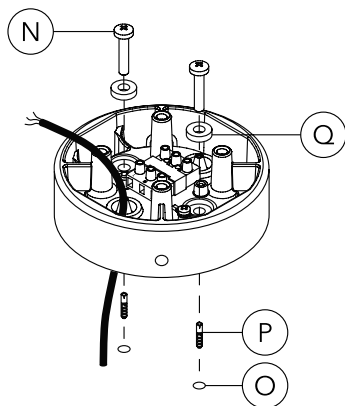


For side entry installations, replace the pre-installed plugs with provided cable glands as required.

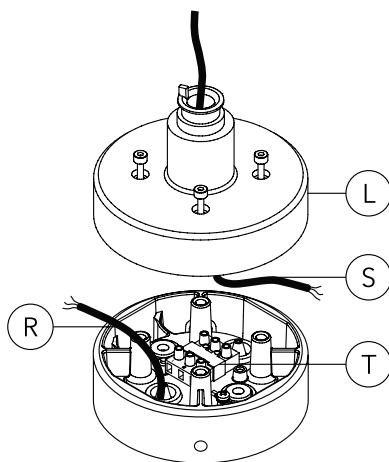
- 3) Determine position for fixing screws **N\***. Drill relevant holes **O** and insert nylon plugs **P\***. Insert screws **N** with washers **Q** and tighten.

**Warning:** Ensure not to damage any electrical cable, water pipe or other items drilling holes.

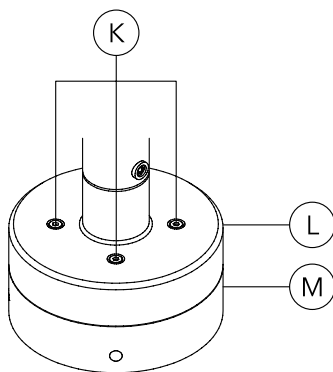
\* Not supplied by WE-EF



- 4) Feed cable **S** from luminaire through pivot of cover **L**. Connect cable **R** and **S** to terminal block **T** according to wiring shown in separate luminaire installation instruction.



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







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