



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

Projector  
**FLD111 #1 LED**



**Do not open during installation**

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



**Surge Protection**

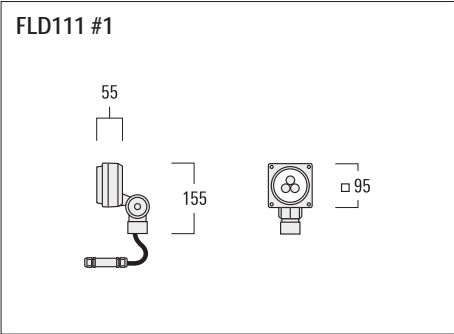
This product features built-in surge protection circuitry in compliance with applicable standards.

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.

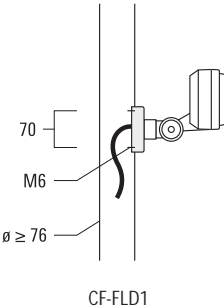
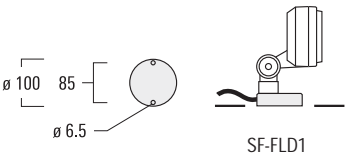
Projector



IP66, Class I, ta = 40°C

Mounting Accessories

|                            |          |  |
|----------------------------|----------|--|
| <b>Flat surface fitter</b> |          |  |
| SF-FLD1 for FLD121/131 #1  | 145-9535 |  |
| <b>Column fitter</b>       |          |  |
| CF-FLD1 for FLD121/131 #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 and isolate mains electrical supply prior to installing and connecting the luminaire.

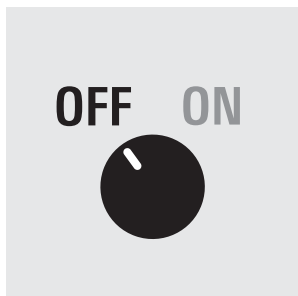
**Notice:** If the luminaire is modified by anybody other than the original manufacturer, then the warranty will no longer be valid and shall become the full responsibility of the modifying person/organisation. Claims based on defects attributable to improper installation and/or application, and the consequences thereof, are excluded.

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

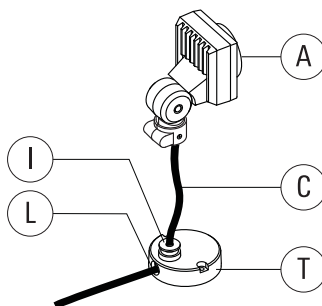
## Installation Procedure

### Installation – Flat surface fitter

- 1) Switch off and isolate mains electrical supply.

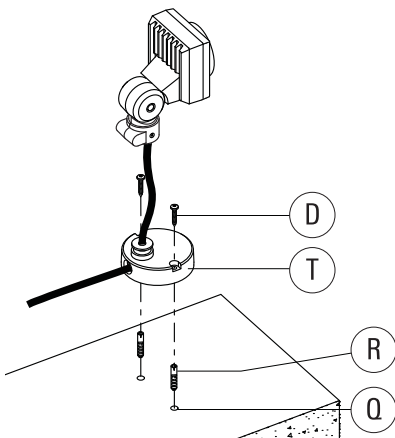


- 2) Feed cable C from luminaire A through pivot I and hole L of flat surface fitter T.

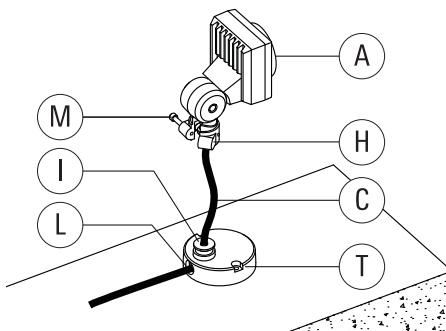


- 3) Determine positions for fixing screws D.  
Drill relevant holes Q and insert nylon plugs R.  
Insert and tighten screws D.

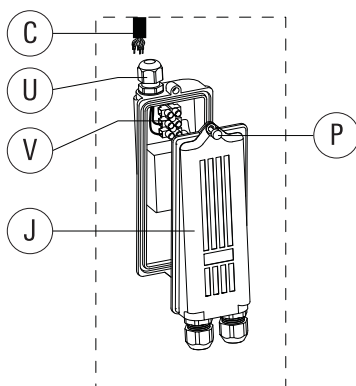
**Warning:** Ensure not to damage any electric cable, water pipe or other items drilling holes.



- 4) Loosen screw M on slipfitter H (do not turn out) until slipfitter can be opened. Connect luminaire A with flat fitter T by sliding slipfitter H over pivot I, while pulling luminaire cable C through hole L and turning luminaire A towards object to be illuminated. Ensure slipfitter H is properly seated on pivot I, then tighten screw M.



- 5) Release screw **P** and open control gear box **J**. Feed luminaire cable **C** through cable gland **U** and connect leads to terminal block **V**: The red to '+', the black to '-'. Tighten cable gland **U**.



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

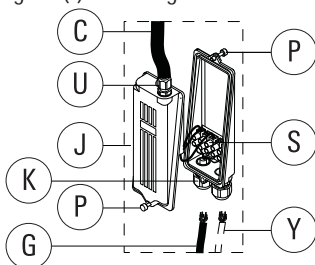
|                   |            |                  |
|-------------------|------------|------------------|
| <b>we-eef</b>     | 04/19 IP66 | <b>CE</b>        |
| <b>FLD111-LED</b> | →          | 220-240V50-60/Hz |
| 145-XXXX          |            | SOE XXXXXXXX     |
| LED 3000K 6W      |            | item no. XXX     |

(example)

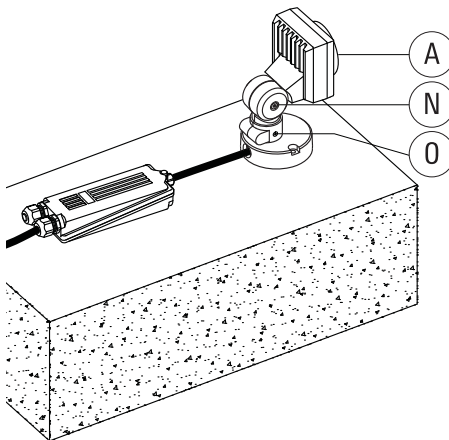
- 7) Feed mains supply cable **G** (and the second cable **Y** for through wiring) through cable glands **K** and connect leads to respective terminals in terminal block **S**:

- a) ON/OFF (L = Phase, N = Neutral, ⊕ = Earthing)  
 b) 1-10 V/DALI (L = Phase, N = Neutral, ⊕ = Earthing, DA/DA = DALI control line, D-/D+ = 1-10 V control line).

Tighten cable gland(s) **K**. Close gear box **J** and tighten screw **P**.



- 8) Loosen screws **N** and **O** slightly. Then aim luminaire in desired direction and tighten screws **N** and **O**.

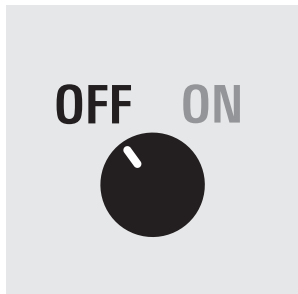


## Installation Procedure

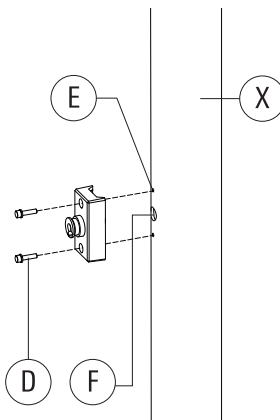
### Installation – Column fitter

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).

- 1) Switch off mains electrical supply.

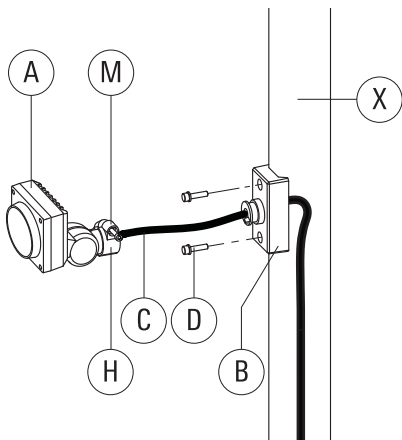


- 2) Determine position for fixing screws **D** and cable entry hole **F**. Drill relevant holes **E** (thread type M6) and **F** on column **X**. Ensure cable entry hole **F** has sufficient diameter to feed cable from luminaire.

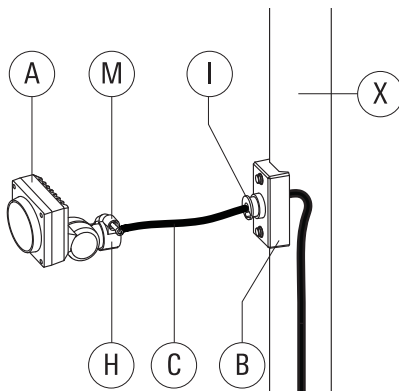


- 3) Set and fix column fitter **B** in position. Insert and tighten screws **D**.

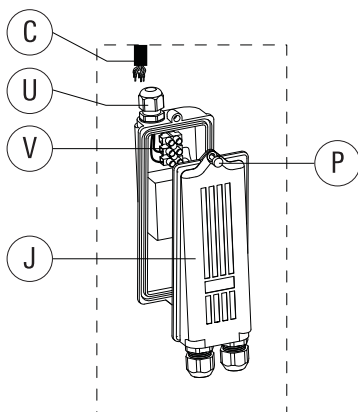
Loosen screws **M** on slipfitter **H** (do not turn out) until the slipfitter can be opened.



- 4) Feed cable **C** from luminaire **A** through pivot **I** on column **X**, while connecting luminaire **A** with column fitter **B** by sliding slipfitter **H** over pivot **I**. Turn luminaire **A** towards object to be illuminated. Ensure slipfitter **H** is properly seated on pivot **I**, then tighten screw **M**.



- 5) Release screw **P** and open control gear box **J**. Feed luminaire cable **C** through cable gland **U** and connect leads to terminal block **V**: Red to '+', Black to '-'. Tighten cable gland **U**.



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

|                   |            |                  |
|-------------------|------------|------------------|
| <b>we-ef</b>      | 04/19 IP66 | <b>CE</b>        |
| <b>FLD111-LED</b> | →          | 220-240V50-60/Hz |
| 145-XXXX          |            | SOE XXXXXXXX     |
| LED 3000K 6W      |            | item no. XXX     |

(example)

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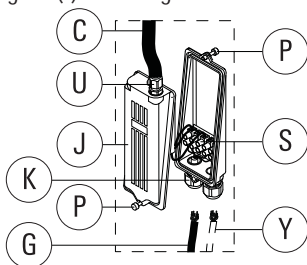
⊕ = Earthing)

b) 1-10 V/DALI (L = Phase, N = Neutral,

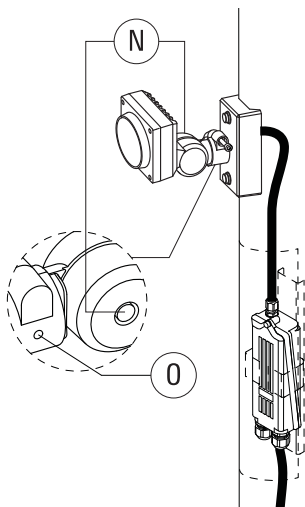
⊕ = Earthing, DA/DA = DALI control line,

D-/D+ = 1-10 V control line).

Tighten cable gland(s) **K**. Close gear box **J** and tighten screw **P**.



- 8) Loosen screws **N** and **O** slightly. Then aim luminaire in desired direction and tighten screws **N** and **O**.





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Technical specifications are  
subject to change.