



WE-EF LEUCHTEN

Installation and Maintenance Instructions

Projector
FLC301 RAIL66
FLC301 Space frame



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.

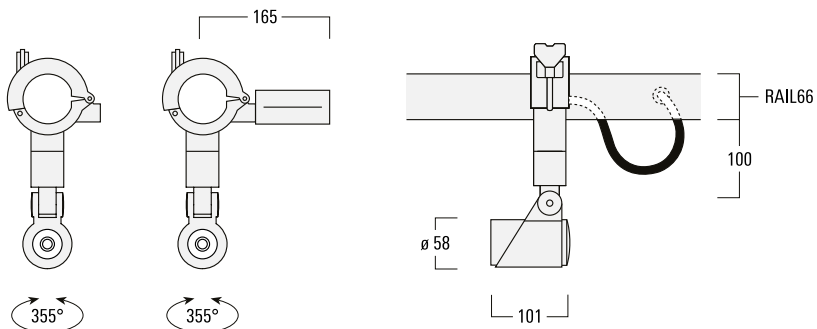
For comprehensive protection of a luminaire installation against lightning and electrical surges, it is essential to cover mains supply and data input lines at the distribution board level, by using respective primary (Type 1) and secondary (Type 2) surge arrestors in compliance with EN61643-11/IEC61643-1.

Warning

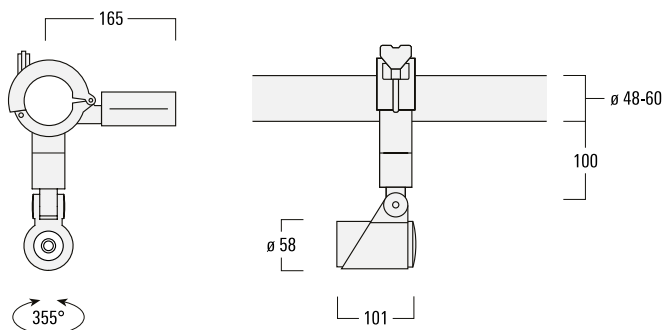
Ensure that all required surge protection measures are in place and activated prior to luminaire installation. Also, disconnect luminaires before operating high-power devices such as, for example, electrical arc welders.

Projector

FLC301 RAIL66



FLC301 Space frame



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

Weight	kg
FLC301 RAIL66 with / without gearbox	1.2 / 1.9
FLC301 Space frame	1.7

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.

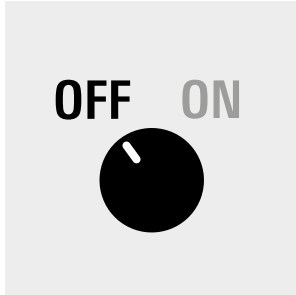
Notice: If the luminaire is modified by anybody other than the original manufacturer, then the warranty will no longer be valid and shall become the full responsibility of the modifying person/organisation. Claims based on defects attributable to improper installation and/or application, and the consequences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

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

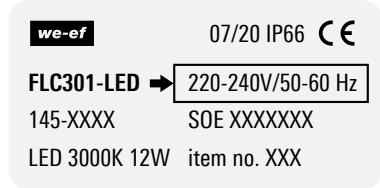
Installation Procedure

Installation – RAIL66 version: Prior to installing the luminaire, mount and connect the selected RAIL66 mounting system in accordance with relevant installation instructions

- 1) Switch off and isolate mains electrical supply.

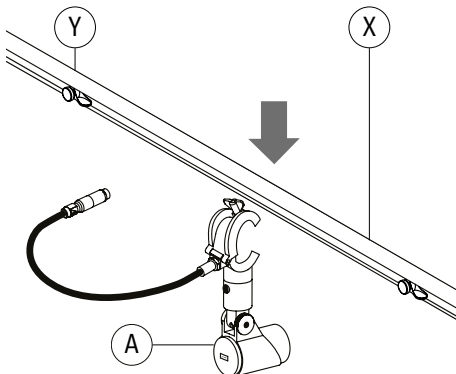


- 2) Check that rating shown on luminaire label conforms with mains electrical supply.

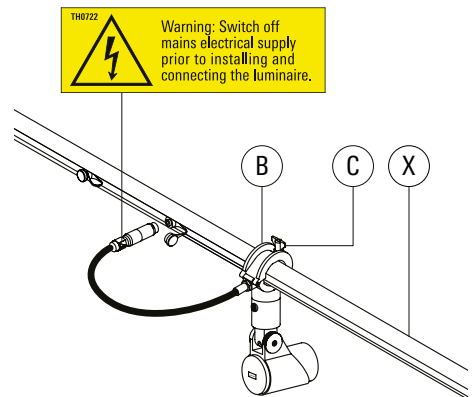


(example)

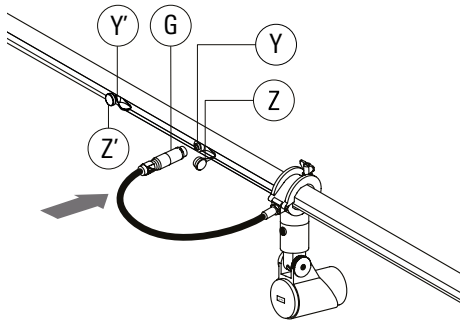
- 3) Determine desired position of luminaire **A** on rail **X**, dependent on aiming requirements and proximity to a suitable mains outlet **Y**.



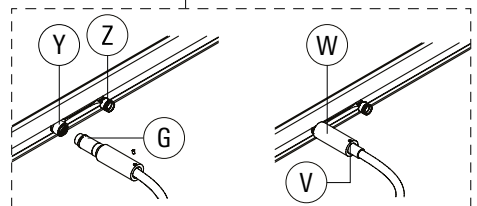
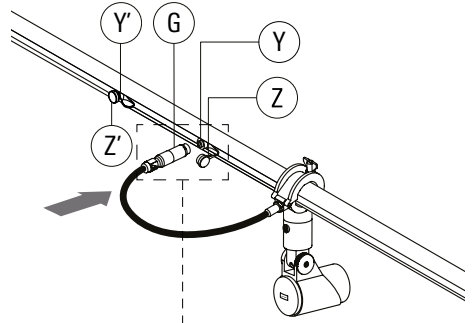
- 4) Attach clamp **B** to **X**. Tighten wingnut **C**.



- 5) Remove protective cover **Z** from RAIL socket **Y**. Insert connector plug **G**, pull to ensure it is locked in place.

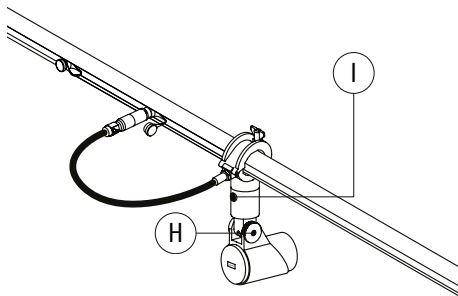


- 6) Slide installation sleeve **W** over connector and tighten grub screw **V** to hold in place. Installation sleeve **W** MUST be used for installation to comply with Australian standards. **Attention:** On any rail socket **Y'** that is not used, protective cover **Z'** must remain firmly secured. Check and ensure proper fit and tightness.

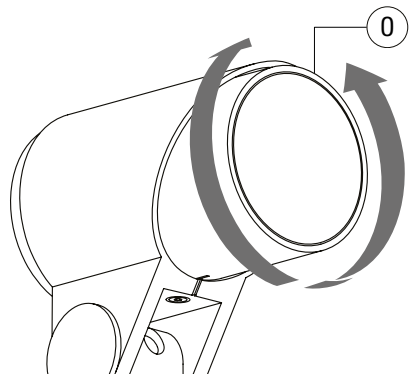


Luminaire to rail connection process

- 7) Loosen screws **H** and **I** slightly. Aim luminaire in desired direction, retighten screws **H** and **I**.

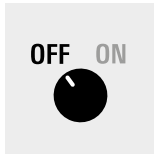


- 8) For accessory Linear Spread Lens IO-180 or glare shield ES-FLC301: Turn frame **O** to set desired orientation of light or shielding.

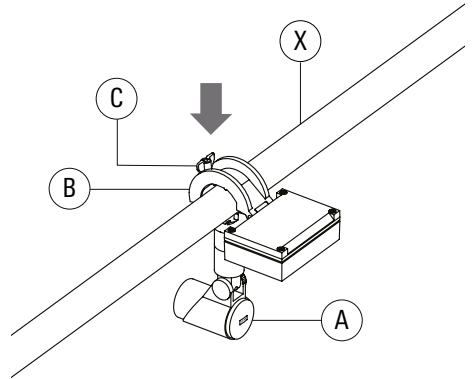


Installation – Space frame version: Suitable for space frame diameter 48-60 mm.

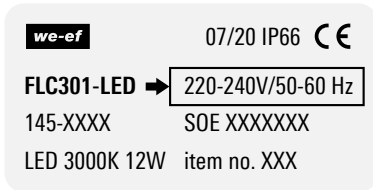
- 1) Switch off and isolate mains electrical supply.



- 3) Determine desired position of luminaire **A** on space frame **X**, dependent on aiming requirements. Attach clamp **B** to space frame **X**. Tighten wingnut **C**.

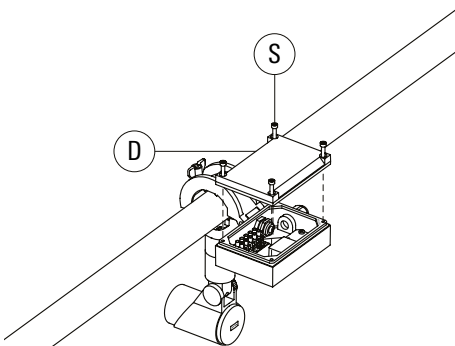


- 2) Check that rating shown on luminaire label conforms with mains electrical supply.

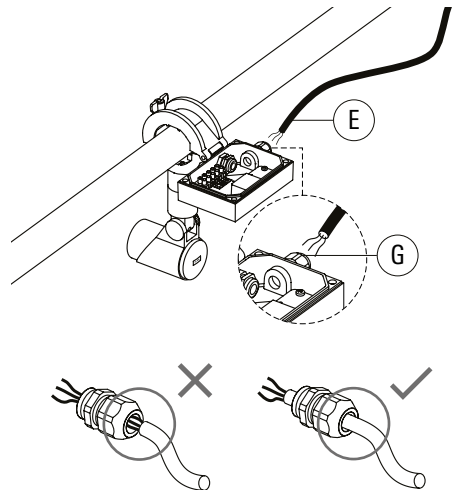


(example)

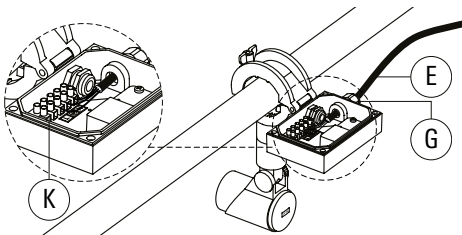
- 4) Detach gear box cover **D** by loosening screws **S**.



- 5) Feed mains supply cable **E** through cable gland **G** (Fig. 1).

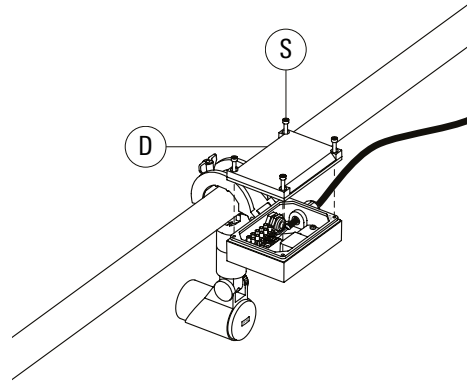


- 6) Connect mains supply cable **G** leads to respective terminals of socket **K**:
- a) ON-OFF (L = Phase, N = Neutral, \ominus = Earthing)
 - b) 1-10V/DALI (L = Phase, N = Neutral, \oplus = Earthing, DA/DA = DALI control line, D-/D+ = 1-10V control line)
 - c) ON/OFF 24VDC (+ = positive pole, - = negative pole)
 - d) Tighten cable gland **G**.

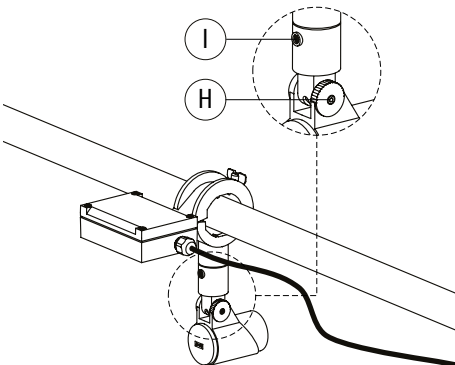


"Operation with 24VDC is only permitted with a SELV power supply suited for Class III appliances."

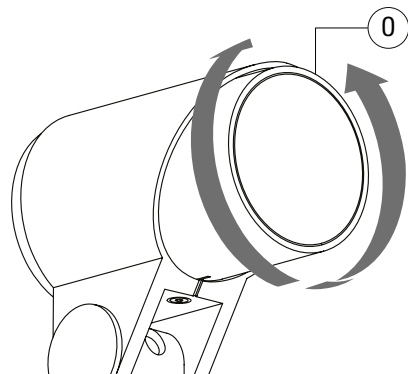
- 7) Reposition gear box cover **D** and secure in position by retighten screws **S**.



- 8) Loosen screws **H** and **I** slightly. Aim luminaire in desired direction, retighten screws **H** and **I**.



- 9) 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.