

**we-ef**



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

RAIL66 Projector  
RAIL66 version  
FLC121 #7 LED  
FLC131 #7 LED  
FLC141 #7 LED

Space frame version  
FLC121 #7 LED  
FLC131 #7 LED  
FLC141 #7 LED



**Do not open during installation**

The Rail 66 version of this product is factory-sealed and supplied with a connection cable that plugs into the rail section.

The Space Frame version without cable requires the gear box to be opened for installation.

Refer to the instructions contained in this document for details.



**Surge Protection**

Dependant on the control type, this luminaire features a level of 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.

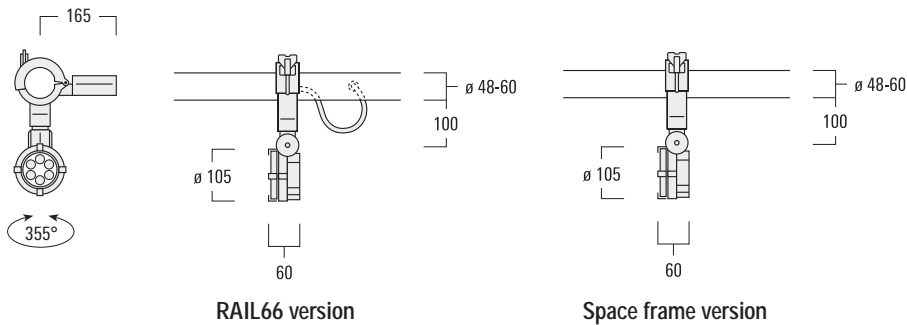
**Warning**

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.

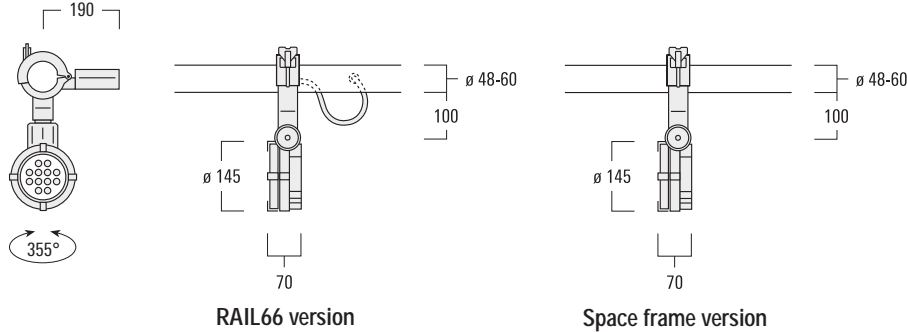


RAIL66 Projector

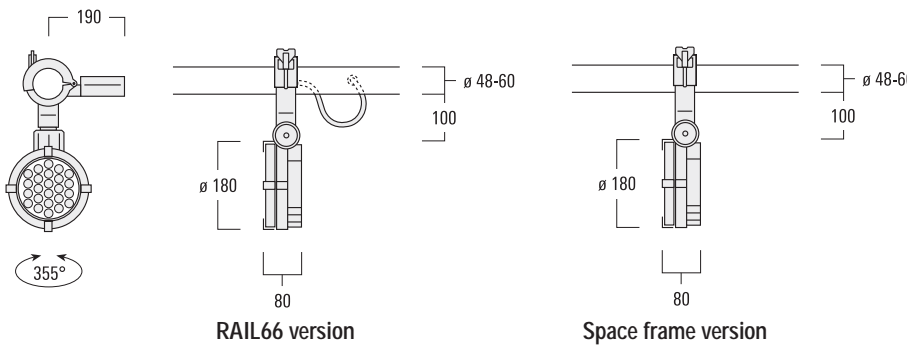
FLC121



FLC131



FLC141



IP66, IK07, Class I, ta = 40°C

## **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 person in compliance with the latest applicable regulations and relevant legislation.

Claims based on defects attributable to improper installation, application, operation and/or any modification carried out by the purchaser or third parties, and the consequences thereof, are excluded.

**Attention:** Rail 66 versions are factory sealed and are connected by the attached braided cable to the rail system. Space frame versions are either supplied with a fly lead or require a cable to be fitted. For space frames that require cable fitment, only the gear box needs to be opened.

## Installation Procedure

### Installation – RAIL66 version

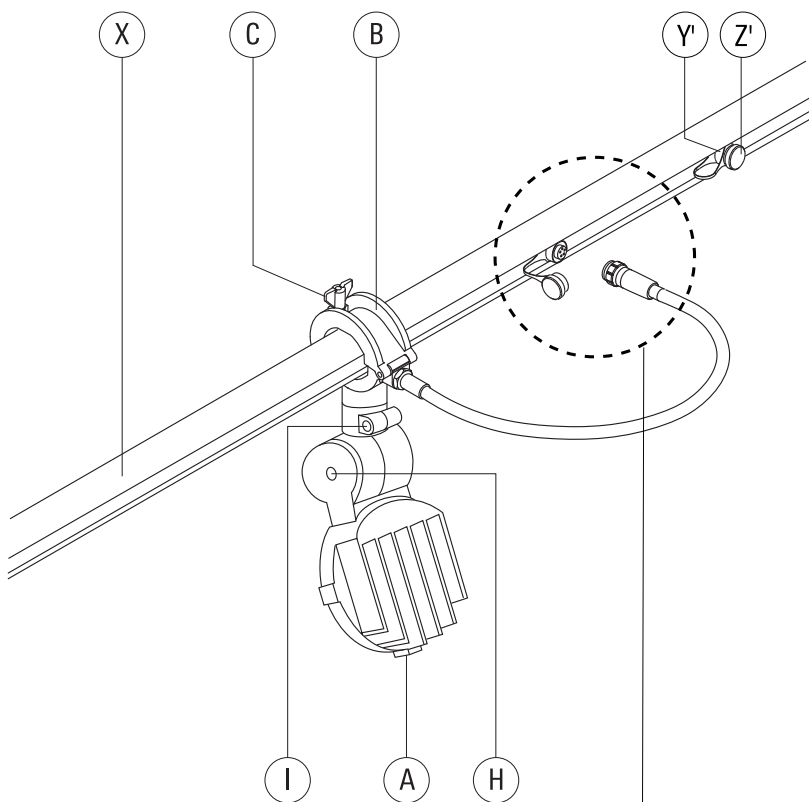
Prior to installing the luminaire, mount and connect the selected RAIL66 mounting system in accordance with relevant installation instructions.

- 1) Switch off and isolate the mains electrical supply.
- 2) Check that rating shown on luminaire label conforms with mains electrical supply.
- 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 rail **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.
- 7) Loosen screws **H** and **I** slightly. Aim luminaire in desired direction, retighten screws **H** and **I**.

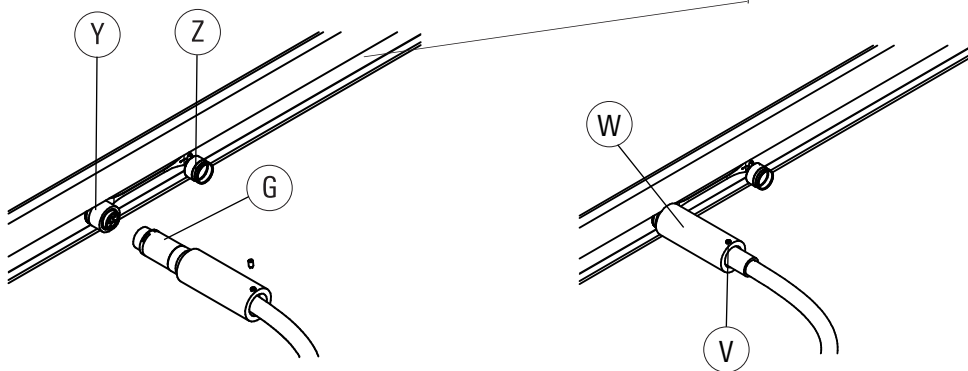
### Installation – Space frame version

Suitable for space frame diameter 48-60 mm. If the luminaire is supplied with a cable then the unit is Factory Sealed and not to be opened, please note steps 4 and 8 are not required.

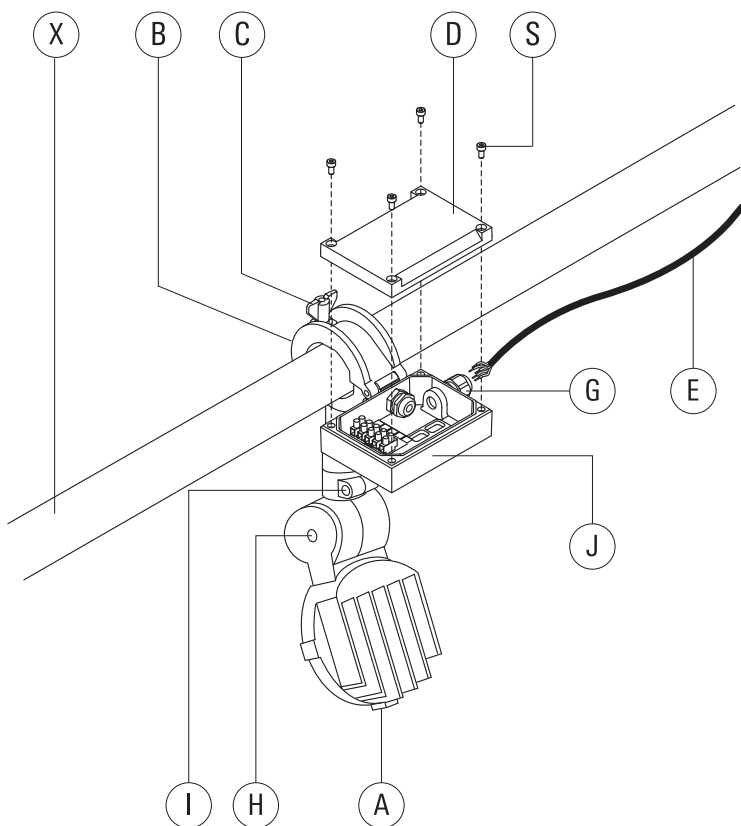
- 1) Switch off and isolate the mains electrical supply.
- 2) Determine desired position of luminaire **A** on space frame **X**, dependent on aiming requirements.
- 3) Attach clamp **B** to space frame **X**. Tighten wingnut **C**.
- 4) Detach gear box cover **D** by loosening screws **S**.
- 5) Check that rating shown on luminaire label conforms with mains electrical supply.
- 6) Feed mains supply cable **E** through cable gland **G** (Fig. I).
- 7) Connect mains supply cable **E** leads to respective terminals in terminal connector **K**:
  - 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).
  - c) DMX Control - See addition installation instructions specific for the model type.
- 8) Reposition gear box cover **D** and secure in position by retighten screws **S**.
- 9) Loosen screws **H** and **I** slightly. Aim luminaire in desired direction, retighten screws **H** and **I**.



RAIL66 version, power and dimming connections  
supplied through the RAIL66 mounting system



Luminaire to rail connection process



Space frame version (shown as cable installation required)



Fig. I. Feed mains supply cable through cable gland

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Technical specifications are  
subject to change.