



XRX300



RRX300

WE-EF LEUCHTEN

Installation and Maintenance
Instructions

Border Luminaires

XRX324 LED

XRX334 LED

RRX324 LED

RRX334 LED



Surge Protection

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

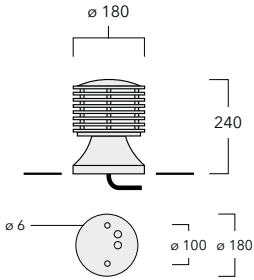
For comprehensive protection of a luminaire installation against lightning and electrical surges, it is essential to cover mains supply and data input lines at the distribution board level, by using respective primary (Type 1) and secondary (Type 2) surge arrestors in compliance with EN61643-11/ IEC61643-1.

Warning

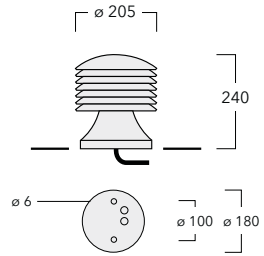
Ensure that all required surge protection measures are in place and activated prior to luminaire installation. Also, disconnect luminaires before operating high-power devices such as, for example, electrical arc welders.

Border Luminaire

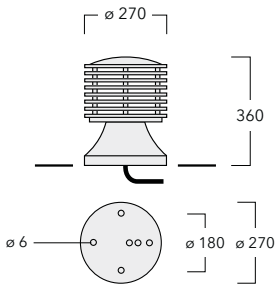
XRX324



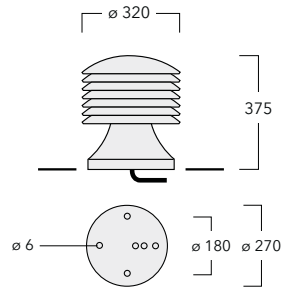
RRX324



XRX334



RRX334



IP55, IK10, Class I, $t_a = 40^\circ\text{C}$

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 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.

Product Information/Surge Protection

Some luminaires are already fitted with a factory installed surge protector of Type 2-3, or it can be ordered as an option. The technical data can be found directly on the device. If the surge protector has been triggered by an adverse event, the luminaire is automatically disconnected from the mains. In that case, the LED on the surge protector no longer lights up.

For comprehensive protection of the luminaire against lightning and electrical surges, primary (Type 1) and secondary (Type 2) surge arrestors must be installed into the power supply. We recommend a combination arrestor (Type 1+2+3), which is installed in the control cabinet.

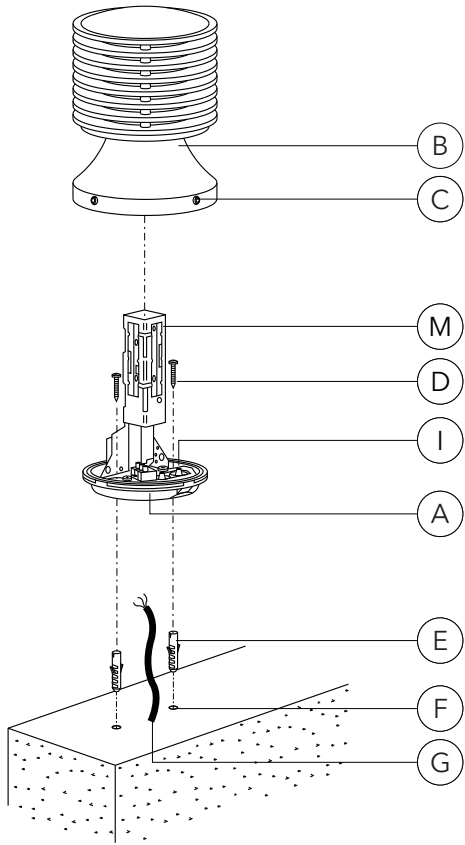
The technical planner/installer is responsible for the proper selection, sizing and installation of the surge protection modules that must be provided on site. Please note the various protection levels for Class I and II, as well as the applicable statutory provisions regarding surge protection. Installation and maintenance may only be performed by a qualified electrician.

Installation Procedure

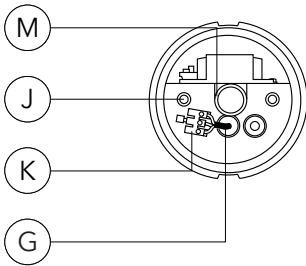
- 1) Switch off mains electrical supply.
- 2) Carefully remove luminaire head **B** from mounting flange **A** by loosening screws **C**. Do not touch LEDs **M**.
- 3) Check that rating shown on luminaire label conforms with mains electrical supply.
- 4) Determine positions for fixing screws **D**.
Drill relevant holes **E** and insert heavy duty wall plugs **F**.

Warning: Make sure not to damage any electric cable, water pipe or other devices while drilling holes.

- 5) Feed mains supply cable **G** (and second cable **H** for through wiring, if required) through grommet(s) **I**, while setting mounting flange **A** in position. To fix mounting flange, pierce through nylon plugs **J**, insert and tighten screws **D**.
Attention: Nylon plugs **J** must remain in position to provide sealing.
- 6) Connect mains supply leads to respective terminals in terminal block **K**:
 - a) ON/OFF (L = Phase, N = Neutral, \oplus = Earthing).
 - b) 1-10V/DALI (L = Phase, N = Neutral, \oplus = Earthing, DA/DA = DALI control line, D-/D+ = 1-10V control line).
- 7) Ensure that all surfaces are clean and dry.
Reposition luminaire head **B** carefully, while ensuring alignment of male and female locators.
Tighten screws **C** in a criss-cross sequence for proper gasket compression. Pay particular attention to equal tightness.

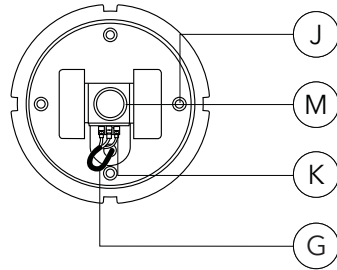


RRX324/XRX324

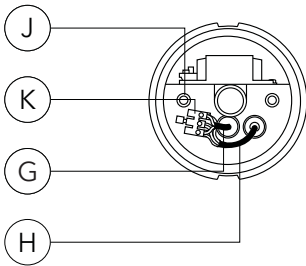


Individual connection

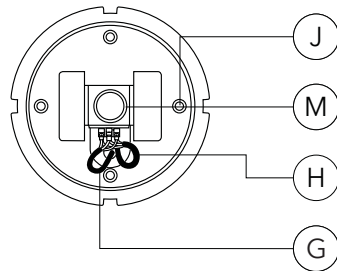
RRX334/XRX334



Individual connection



Through wiring



Through wiring

we-ef

www.we-ef.com

WE-EF LEUCHTEN

Germany

Tel +49 5194 909 0

Fax +49 5194 909 299

info.germany@we-ef.com

WE-EF LUMIERE

France

Tel +33 4 74 99 14 44

Fax +33 4 74 99 14 40

info.france@we-ef.com

WE-EF SWITZERLAND

Switzerland

Tel +41 22 752 49 94

Fax +41 22 752 49 74

info.switzerland@we-ef.com

WE-EF LIGHTING

Thailand

Tel +66 2 738 9610

Fax +66 2 175 2174

info.asiapacific@we-ef.com

WE-EF LIGHTING

Australia

Tel +61 3 8587 0444

Fax +61 3 8587 0499

info.australia@we-ef.com

WE-EF LIGHTING

United States of America

Tel +1 724 742 0030

Fax +1 724 742 0035

info.usa@we-ef.com

TO9231W0823 © WE-EF 2023

Technical specifications are
subject to change.