

we-ef



WE-EF LEUCHTEN

Installation and Maintenance
Instructions

Wall Luminaires surface Mounted

QLS410 LED

QLS420 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.

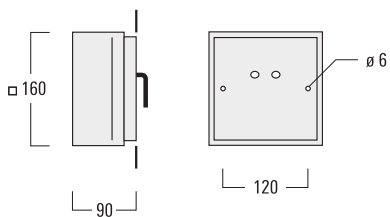
For comprehensive protection of a luminaire installation against lightning and electrical surges, it is essential to cover mains supply and data input lines at the distribution board level, by using respective primary (Type 1) and secondary (Type 2) surge arrestors in compliance with EN61643-11/IEC61643-1.

Warning

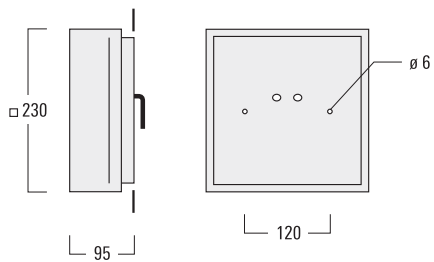
Ensure that all required surge protection measures are in place and activated prior to luminaire installation. Also, disconnect luminaires before operating high-power devices such as, for example, electrical arc welders.

Wall Luminaires surface Mounted

QLS410



QLS420



IP66, Class I/III, $t_a \leq 40^\circ\text{C}$

Light Source

LED

Maintenance

Apart from cleaning the outside of the luminaire, no special maintenance is necessary.

Do not spray with high pressure cleaners

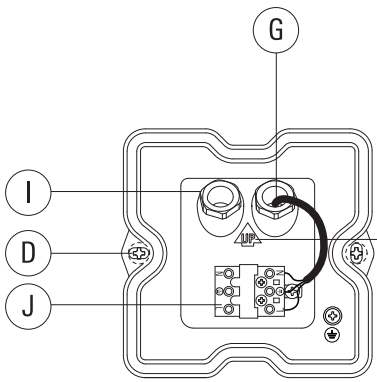
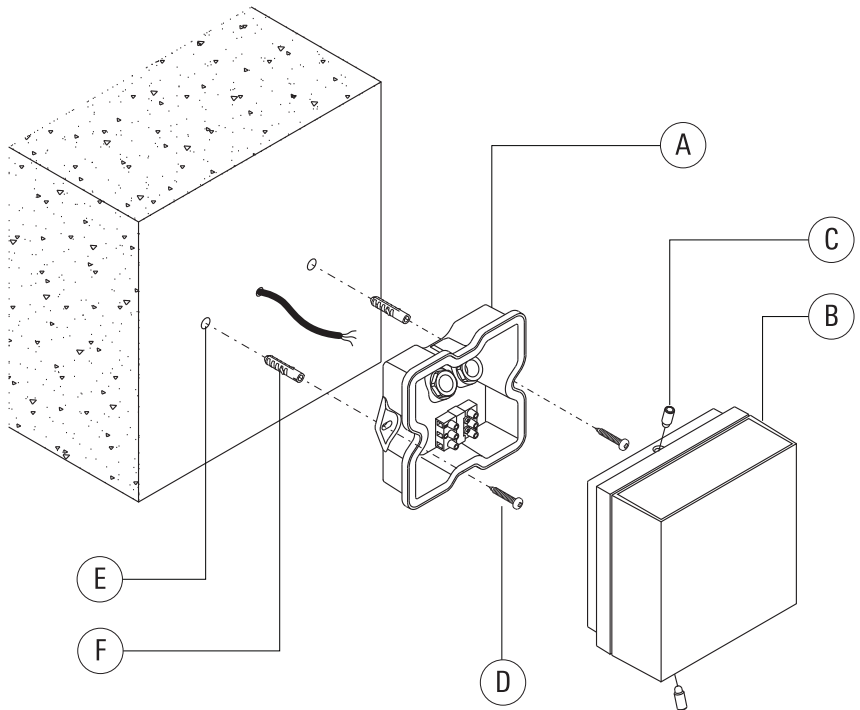
Installation

The product must be installed and maintained by a suitably qualified person in compliance with the latest applicable regulations and relevant legislation.

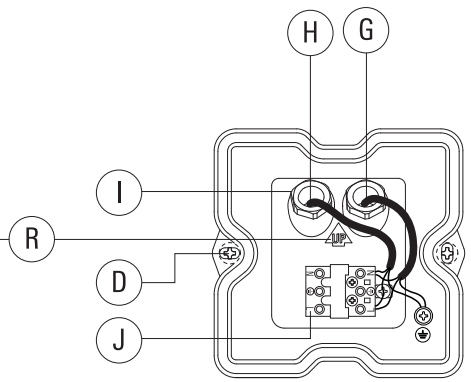
Claims based on defects attributable to improper installation, application, operation and/or any modification carried out by the purchaser or third parties, and the consequences thereof, are excluded.

Installation Procedure – QLS410/QLS420 LED

1. Switch off and isolate the mains electrical supply.
2. Remove wall flange **A** from cover **B** by releasing screws **C**.
3. Check that rating shown on luminaire label con-forms with mains electrical supply.
4. Determine positions for two fixing screws **D**. Drill relevant holes **E** and insert wall plugs **F**.
Caution: Make sure not to damage any electric cable, water pipe or other devices while drilling holes.
5. Feed the mains supply cable **G** (and the second cable **H** for through wiring, if required) through the pressure screw **I** at the side of the wall flange, while setting and fixing wall flange in position. The pre-installed packing ring **H** is suitable for cable diameters 7 to 9.5 mm. If the cable is bigger, replace the pre-installed packing ring with the supplied auxiliary packing rings, which are suitable for cable diameters 9.5 to 12 mm or TPS cable 1.5 to 2.5mm.
6. Ensure the point arrow mark **R** on the wall flange aims upwards and that the luminaire is properly oriented. Fix the wall flange by inserting and tightening screws **D**.
7. Connect mains supply leads to respective terminals in terminal block **J** (N = Neutral, L1 = Phase, ⊕ = Earthing). Tighten pressure screw(s) **I** firmly. For the version with 1-10 V analogue dimming interface, connect mains supply cable **G** to respective terminals in connector **J** (N = Neutral, L1 = Phase, ⊕ = Earthing) and (D+, D- = external 1-10 V DC dimming device) (Fig. II).
For 24V versions, connect the supply cable **G** to the respective terminals in connector **J** (+ = +24V DC, - = -24V DC, DIM+/- for 1-10V dimming) (Fig. III).
8. Tighten pressure screw(s) **I**.
9. Reposition cover **B** on wall flange **A** and secure in position by evenly tightening the screws **C**.



Individual connection



Through wiring

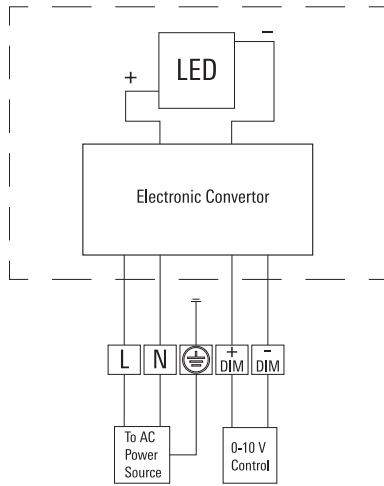


Fig. II Wiring diagram 1-10 V interface / 240V AC Version

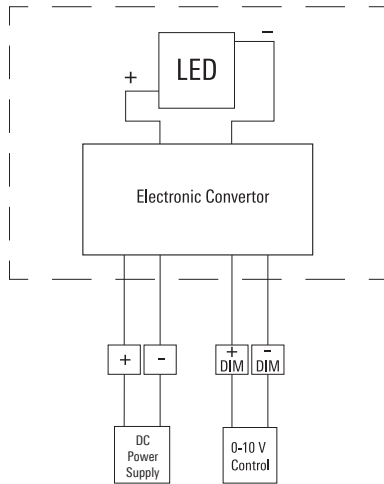


Fig. III Wiring diagram 1-10 V interface / 24V DC Version

Installation - Cable Grommets

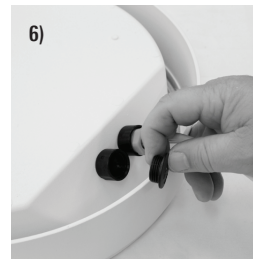
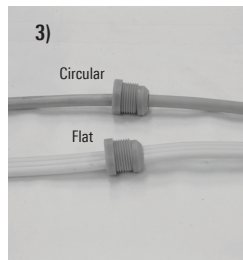
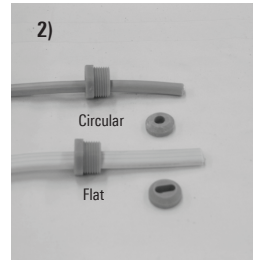
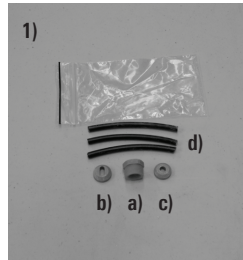
1) Contents of Circular & TPS Grommet Kit. Products that do not include a loop through option are supplied with one kit, products with a loop through option are supplied with two kits.

- a) 1x Compression Nut
- b) 1x TPS Grommet to suit 1mm² to 2.5mm² core cables
- c) 1x Circular Grommet to suit application (supplied with fitting)

Non-LED versions also include:

- d) 3x Silicon Sleeves

- 2) Select the correct grommet for the application.
- 3) Slide the compression nut over the cable first, followed by the grommet.
- 4) Feed the cable, grommet side first, into the housing, and ensure enough cable is available to connect to the incoming supply terminal block.
- 5) Tighten the compression nut to secure the cable in place.
- 6) If required, remove the blanking plug and install the loop through cabling as per steps 2 to 5.
- 7) For Non-LED products, strip the cable and over-sleeve each of the cores with the high temperature sleeves. For LED product, simply strip the cable suitable for connection to the terminal block.
- 8) Connect all cores to the terminal block as labelled.



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Technical specifications are
subject to change.