





## Installation instructions

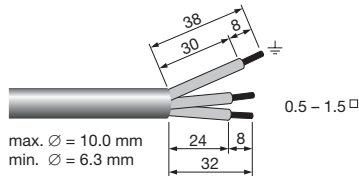
### Wiring type and cross section

The wiring can be stranded wires with ferrules or rigid wires with a cross section of 0.5 – 1.5 mm<sup>2</sup>.

Strip 7.5 – 8.5 mm of insulation from the cables to ensure perfect operation of the push-wire terminals (WAGO 250).

Use one wire for each terminal connector only.

Use each strain relief channel for one cable only.



### Wiring instructions

The secondary leads should be separated from the mains connections and wiring for good EMC performance.

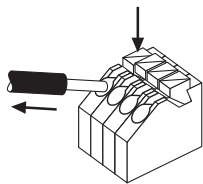
Maximum lead length on secondary side is 2 m. For a good EMC performance keep the the LED wiring as short as possible.

For compliance with the limits of the radio disturbance characteristics the earthing of the LED Driver is necessary. Use the earthing connection (⊕) of the LED Driver.

To avoid the damage of the Driver, the wiring must be protected against short circuits to earth (Sharp edged metal parts, metal cable clips, louver, etc.).

### Release of the wiring

Press down the “push button” and remove the cable from front.



### Installation instruction

Max. torque for the mounting screw: 0.5 Nm.

Please note that LCM 1050 T020 is only suitable with protection class II so special measures are needed if it is to be installed in protection class I applications / luminaires.

Please note the requirements set out in the document LED\_Betriebsanweisung\_Installation\_Weis.pdf ([http://www.tridonic.com/de/technik-doku.asp](http://www.tridonic.com/de/technik/doku.asp)).

### Glow wire test

According to IEC 60598-1 with increased temperature of 850 °C passed.

### DC emergency operation

The LED Driver is designed for operation on DC voltage and pulsed DC voltage.

Light output level in DC operation (E<sub>OF,DC</sub>): 100% (cannot be adjusted)

### Isolation and electric strength testing of luminaires

Electronic devices can be damaged by high voltage. This has to be considered during the routine testing of the luminaires in production.

According to IEC 60598-1 Annex Q (informative only!) or ENEC 303-Annex A, each luminaire should be submitted to an isolation test with 500 V<sub>DC</sub> for 1 second. This test voltage should be connected between the interconnected phase and neutral terminals and the earth terminal.

The isolation resistance must be at least 2 MΩ.

As an alternative, IEC 60598-1 Annex Q describes a test of the electrical strength with 1500 V<sub>AC</sub> (or 1.414 x 1500 V<sub>DC</sub>). To avoid damage to the electronic devices this test must not be conducted.

### Additional information

Additional technical information at [www.tridonic.com](http://www.tridonic.com) → Technical Data

Guarantee conditions at [www.tridonic.com](http://www.tridonic.com) → Services

Life-time declarations are informative and represent no warranty claim.

No warranty if device was opened.