

# BOL LED Driver 32.902.0001

## Installation Guide

### Description

This LED driver is designed to support the replacement of conventional lighting technologies with more efficient and reliable LED solutions inside of ovens, microwaves or cooker hoods.

### Order information

Article number: 32.902.0001

### Electrical information

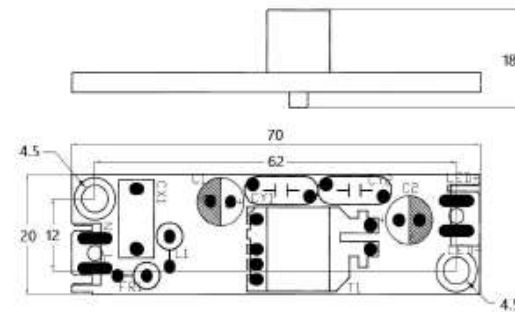
Rated input voltage: 230 V AC  
Rated input current: 0.05 A

Rated output voltage: 3 V DC  
Rated output current: 1 A  
Rated output power: 3 W

### Mechanical information

Design: Frameless  
Size (L/W/H): 70 x 20 x 18.5 mm  
Fixation: Two M4 screws

The outer shape is shown in the picture on the right side.



Dimensions of the LED driver board (mm).

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### Connection:

The pin definitions of input and output connections are marked on the PCB.

There are two possibilities of connecting wires to the PCB:

- 1) Via soldering
- 2) By using two dedicated edge connectors from Stocko:

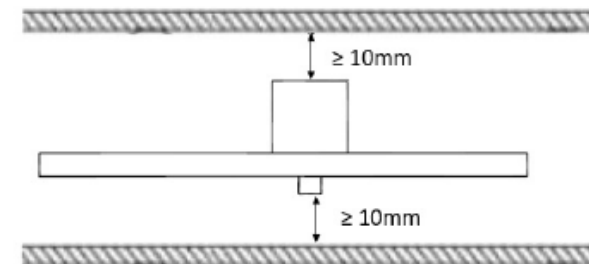
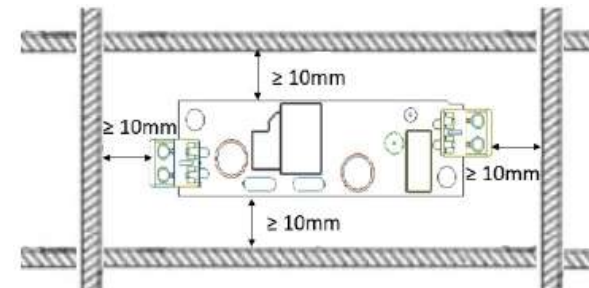
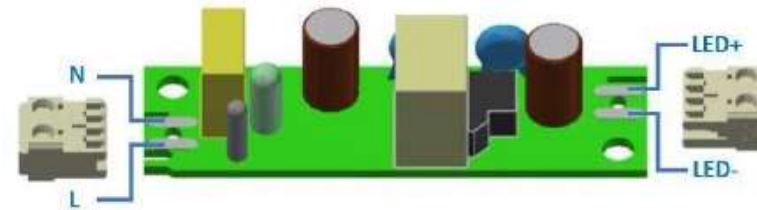
MFMP 7262-002-010-960-000-00-G (Primary side)

MFMP 7262-002-003-960-000-00-G (Secondary side)

This avoids a mixing up of mains and lamp connections.

### Positioning:

Please keep the minimum distances around, below and above the LED driver as shown in the picture on the right side. Since this is a frameless design, these distances are mandatory to avoid voltage flashovers to conducting surfaces nearby. If necessary, you can place an appropriate insulation barrier between driver and conducting areas. The insulation capability has to be checked in the application.



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### Handling:

It must be ensured that the PCB won't be bent during assembly more than 0.3 mm according to IPC-2221B 5.2.4. This distance has to be measured at the highest point in relation to a flat surface as shown in the picture on the right side.

### ESD:

The LED driver is sensitive to static electricity and surge current. It is recommended to use a wrist band or anti-electrostatic glove when handling the PCB. Handling of the device in a static electricity avoiding area (ESD protected area) would be best. Electrostatic discharge events may cause damage or even destruction to the device.

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