

Replacement of a common fluorescent tube with an energy-saving LED tube

! Please note:

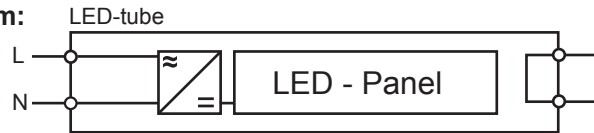
! Operations on 230V / 240V mains may be proceeded by a qualified electrician only!

Prior to the operations the current supply of the fluorescent tube must be disconnected and secured against unintentional restart with a sign.

Review the absence of voltage at the tube with a suitable measuring device.

The respective guidelines and regulations for the prevention of accidents are to be followed with every operation. (Flawlessly insulated electric tools and steady stepladder are to be used)

The LED tube has the following internal wiring diagram:



Alterations on existing installations or fluorescent armatures.

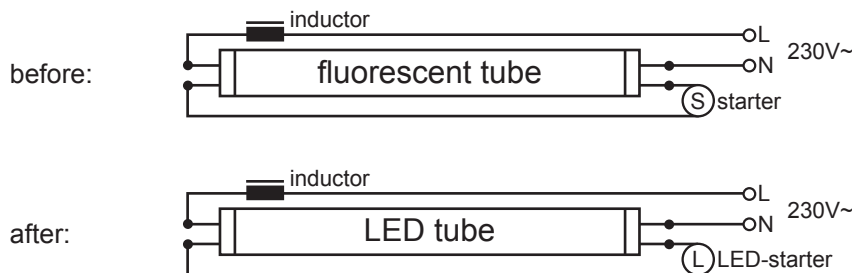
At first check the relays of the fluorescent tube or the fluorescent armature, respectively:

1. If the fluorescent tube is installed in the electric circuit via starter or inductor, follow the instruction under "A".
2. If the fluorescent tube is installed in the electric circuit via electronic ballast, follow the instruction under "B".

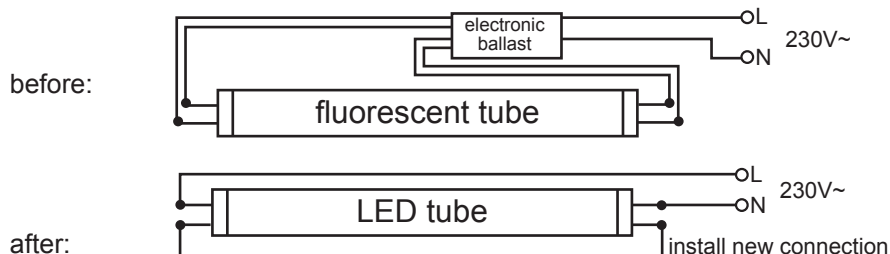
A. Remove the fluorescent tube and the starter from the socket.

Place the LED starter into the sockets and tighten it.

Place the LED tube into the sockets and turn it by 90 degrees.



B. Remove the fluorescent tube from the socket and the electronic ballast from the circuitry and connect the LED tube according to the wiring diagram with suitable equipollent and insulated cable pieces. Place the LED tube into the sockets and turn it by 90 degrees.



The mounting direction of the LED tube is optional in both cases.

Turn on the power supply at the fuse box and check the performance of the LED tube with the lights switch. Fluorescent armatures made of metal should for safety reasons be checked for absence of voltage of the touchable metal parts and, if necessary, the grounding.