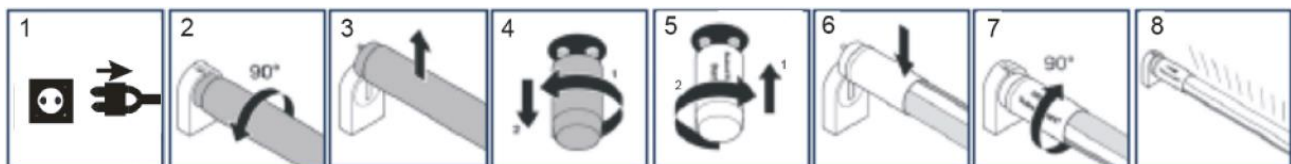


LED T8 Lamp Safety and Installation Instructions

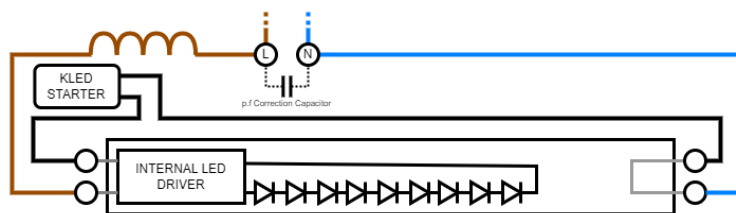
- The luminaire must be switched off before fitting the LED T8 lamp. If in doubt consult a qualified electrician.
- The LED T8 lamp is designed to replace conventional fluorescent lamps working on wire-wound magnetic ballasts (50/60Hz).
- The LED T8 lamp is not usable for use in luminaires with serial lamp connection (more than one tube to one magnetic ballast).
- The LED T8 lamp is supplied with a Kosnic LED Starter (KLEDSTART) for starter replacement when used as a retrofit lamp with magnetic ballast.
- The luminaire must not be modified, other than replacing the starter, without recertification to the relevant standard.
- The LED T8 lamp is designed for an ambient temperature range of -20°C to 40°C and may not be suitable for use in all applications where a traditional fluorescent lamp has been used. The temperature range of this lamp is more restricted. In case of doubt regarding the suitability of the application the manufacturer of this lamp should be consulted.
- The LED T8 lamp is designed for general lighting service (excluding for example explosive atmospheres).

	Lamp is suitable for use in luminaires with magnetic ballasts.		Lamp should be used in dry conditions or in a luminaire that provides protection.
	Lamp is not suitable for use in emergency luminaires designed for double-capped fluorescent lamp(s).		Lamp is not dimmable.

Retrofitting the LED T8 lamp in a luminaire with magnetic ballast:



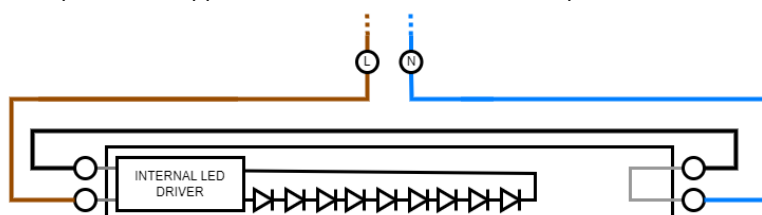
- 1) Switch off electricity.
- 2) and 3) Remove the conventional lamp by turning the lamp by 90° and removing.
- 4) Remove the starter by twisting anticlockwise and pulling out.
- 5) Fit the LED replacement starter into the starter holder and twist clockwise to secure.
- 6) and 7) Insert the LED lamp into the lampholder and secure by turning the lamp by 90°.
- 8) Switch on electricity and check for lamp starting.
- 9) An indelible warning label should be added, visible when changing the lamp, showing the substance of: **Warning - not for use with fluorescent lamps, use only Kosnic LED Tubes**



Circuit diagram for a retrofitted LED T8 lamp in a fitting with a magnetic ballast.

Using the LED T8 lamp in dedicated LED luminaires:

- For maximum energy savings the LED T8 lamp can be used in a luminaire for dedicated LED T8 use.
- The LED Tube has Live and Neutral pins at the end of the LED tube marked "Input" connected to the internal driver. The pins at the opposite end are isolated from the input and are connected to each other for circuit continuity.



Typical circuit diagram for a dedicated LED T8 luminaire.