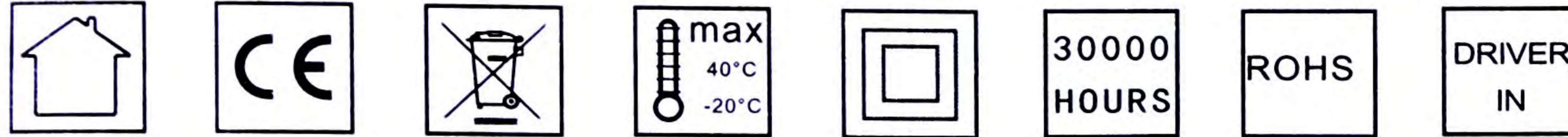


Thank you for purchasing an ENSA LED light. Please read all instructions before installation.



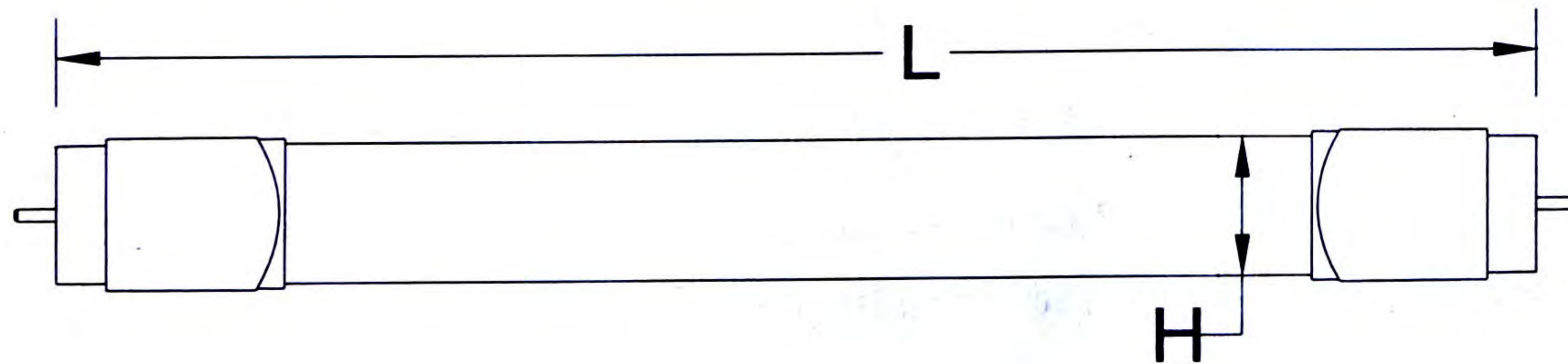
Applications

The product is widely used in commercial centres and public places, such as stores, markets, hotels, hospitals, restaurants, etc.

Technical parameters

Model	Input voltage	Power	Size (HXL)mm	Power efficiency	Power factor	PC Cover
LTU-A18-CW	AC100-240V	18W	φ 26X1198	90%	>0.9	Frosted
LTU-A22-CW	AC180-240V	22W	φ 26X1498	90%	>0.9	Frosted

Dimensions



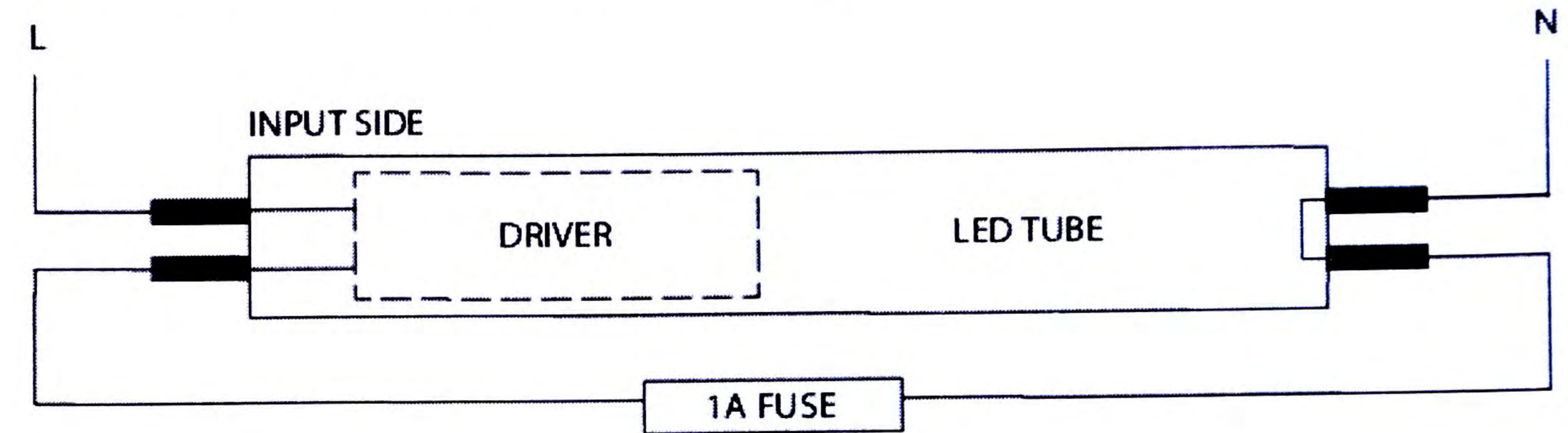
Before Installation

To avoid potentially damaging short circuiting, please follow the appropriate wiring diagrams carefully. We strongly recommend the use of a fully licensed electrician for the installation of, and any maintenance to, LED tube lights. The following diagrams are for new installations, retrofit installations with magnetic ballasts and retrofit installations with electronic ballasts.



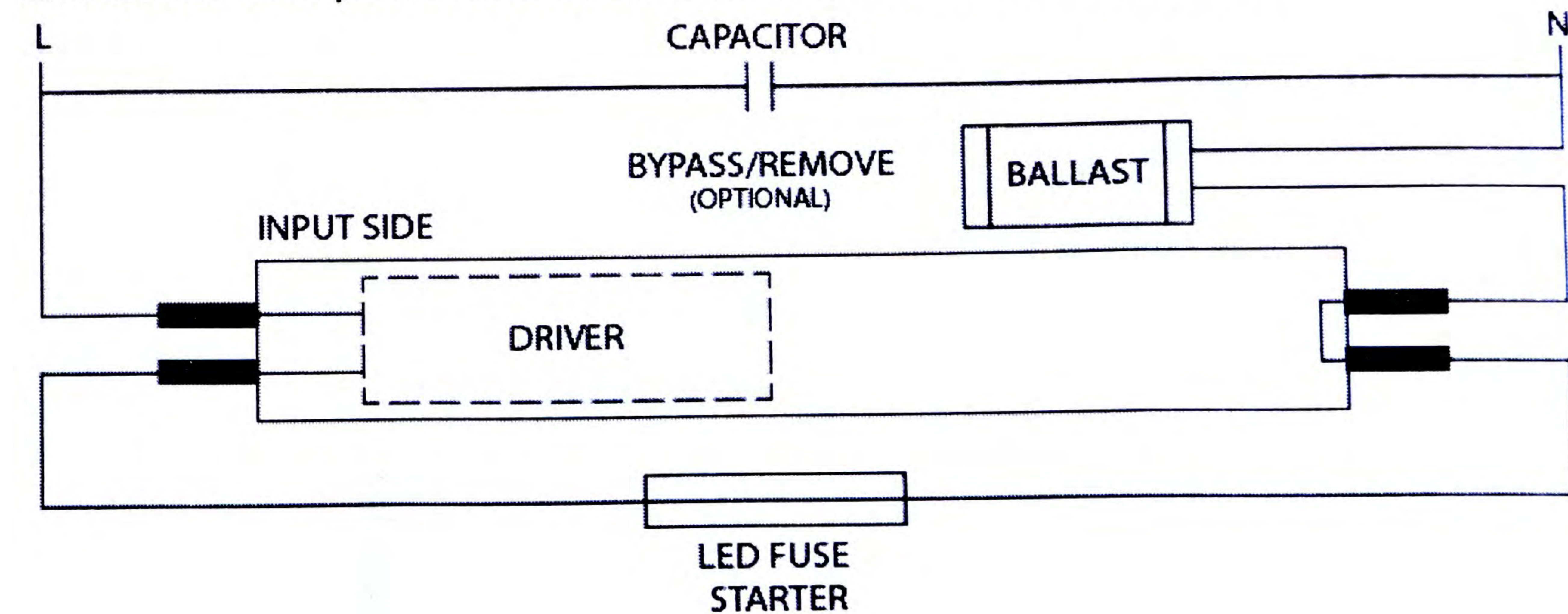
1. New Installation

You must add a 1A fuse as per the diagram.



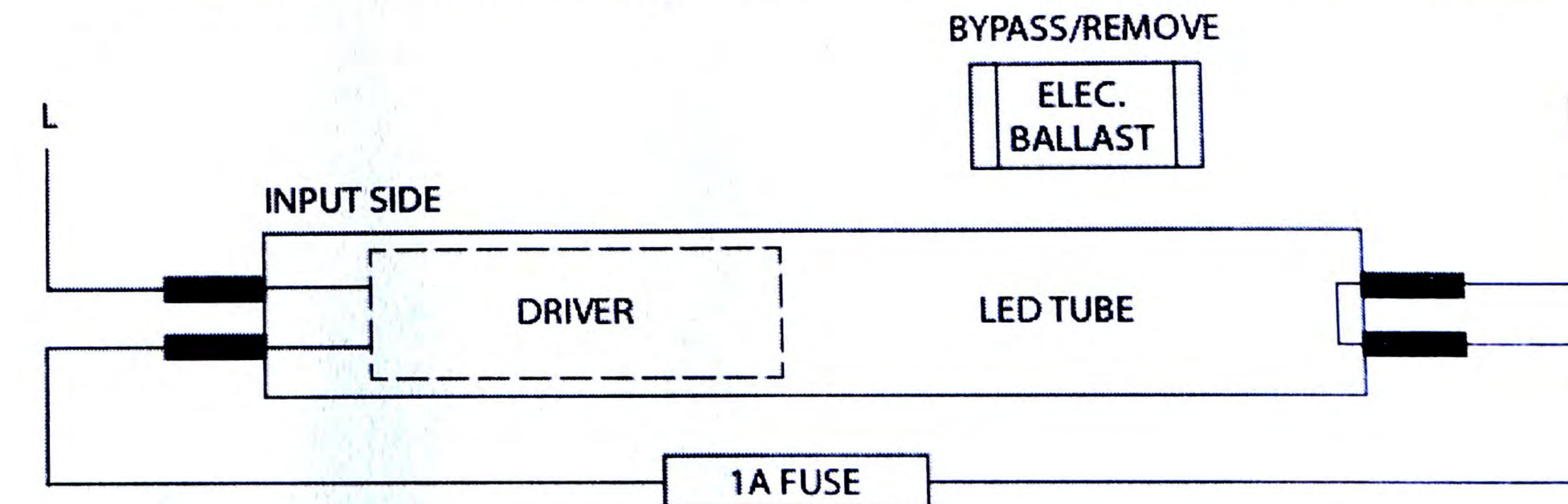
2. Retrofit - Magnetic Ballast

Bypassing/removing the ballast and capacitor will increase energy savings and assist with power factor. LED fuse starter must be added.



3. Retrofit - Electronic Ballast

Electronic must be removed/bypassed. You must add a 1A fuse as shown.



Easy Retrofit Installation Guide

Please note that this guide applies only to fluorescent light fixtures fitted with standard Magnetic Ballasts - Installation in lighting fixtures using Electronic Ballasts or non-standard magnetic ballasts will require rewiring by a qualified electrician.

1. Turn off power at the light switch and leave the light off for at least 10 minutes to cool down.
2. Remove the fluorescent tube and fluorescent starter from the light fixture, disposing of them accordingly.
3. Replace the fluorescent starter with the included "LED STARTER" fuse included with the LED tube light.
4. Fit the new LED tube light into the fixture. Turn on the light switch to test.

T8 LED tube installation instructions

Attention

1. Do not expose the tube to rain or high humidity environments.
2. Do not modify the exterior structure of the LED tube.
3. Closely follow instructions and source professional installation from a licensed electrician.
4. Ensure power supply rated voltage of AC100~240V, 50/60Hz.
5. Check tube and batten for appropriate insulation before install.
6. For any maintenance or repair, contact an authorised electrician or your local ENSA dealer.

Cleaning and maintenance

1. Regularly check and clean the fixture every six months.
2. For any cleaning, use a soft, dry cloth.
3. Do not use any thinners or other abrasive chemicals to clean the tube.
4. If the tube is not bright or if issues occur with light performance, check the connection of the tube to the batten.