

EDGELED™

ALL-IN-ONE T-8

"ALL IN ONE T8" COMPATIBLE WITH OR WITHOUT BALLAST.
WORKS WITH SINGLE END AND DOUBLE END



PRODUCT SPECIFICATION

DESCRIPTION: LED T8 TUBE SERIES
PRODUCT MODEL: EL-T8-10WB, EL-T8-18WB,

BASIC PARAMETERS:

MODEL NO.	EL-T8-10WB	EL-T8-18WB
PRODUCT NAME	LED T8 TUBE	
DIMENSION (MM)	590* ϕ 26MM	1198* ϕ 26MM
LED CHIP	SMD 2835	
POWER	10W \pm 1W	18W \pm 1W
LED CHIP QUANTITY	48 PCS	96 PCS
POWER FACTOR	\geq 0.9	\geq 0.9
POWER EFFICIENCY	\geq 85%	\geq 85%
LIGHT EFFICIENCY	110LM/W OR 130LM/W	110LM/W OR 130LM/W
INPUT VOLTAGE	100 ~ 277V AC	
FREQUENCY	50/60HZ	
LUMEN OUTPUT	1100LM \pm 10%	1980LM \pm 10%
CCT(K)	3000K-5000K	
CRI	\geq 80	
BEAM ANGLE	180°	
LUMINOUS FLUX MAINTENANCE	<2% AFTER 3000 HOURS	
LIFE SPAN	\geq 50,000 HOURS	
STARTING TIME	\leq 1.0 SECOND (@ AC 110V)	
WORKING HUMIDITY	10%~90%	
STORAGE TEMPERATURE	-25°C~45°C	
NET WEIGHT (G)	190	328
CERTIFICATION	ETL & DLC 4.2 STANDARD OR PREMIUM CERTIFICATION	

APPLICATION RANGE:

The LED T8 Series is widely used in the following locations, including: shops, bars, marketplaces, restaurants, museums, exhibition halls, signs, storehouse, indoor lighting and atmosphere creation.

FEATURES AND BENEFITS:

- Build-in wide voltage driver AC 90~135V
- Ease Installation
- Compatible with electronic and magnetic ballast, don't need to take out any kinds of ballast
- Compatible with current ballasts, no rewiring
- Better transparency & high output luminous flux.
- Wide beam angle (180 Degrees)
- Instant on/off and no flickering

BALLAST COMPATIBILITY LIST:

Edge-LED T8 lamps and the compatible ballasts shown on the chart have been tested internally by the manufacturer only and not the ballast manufacturer. Edge-LED has been continually testing our LED lamps on various popular ballasts. We will continue to update this list as additional models are to be tested. If the ballast does not appear on this list, it does not necessarily mean the model is not compatible with the Edge-LED T8 lamps. It may just be that the model has not been tested yet. Please contact Edge LED about ballasts that are not shown on this list.

Ballast Compatibility List

MANUFACTURER	BALLAST MODEL
Philips Advance	ICN-2P32-N
Philips Advance	GOPA-2P32-SC
Universal Triad	B232I347HP-A
Universal Triad	B232IUNVHE-N
Universal Triad	B232IUNVHP-N
Universal Triad	B232IUNVEL-N
Universal Triad	B232IUNVHEH-A
GE	GE232MAX-G-N-DIYB
GE	GE432MAX-G-N-DIYB
GE	GE232MAX-N/UL TRA
GE	GE332MAX-H/UL TRA
GE	GE332MAX-G-H
GE (Magnetic ballast)	GEM120PH120/2-DIY
GE (Magnetic ballast)	GEM1FC8T9RS120/2-DIY
GE (Magnetic ballast)	GEM220TS120/2-DIY
Osram	QTP 2x32T8/UNV
Osram	QTP 4x32T8/UNV
Sylvania	QHE 2x32T8/UNV
Epson	VE232MVHIPL
GREEN HILL	GH4P321SUNV

! WARNING:

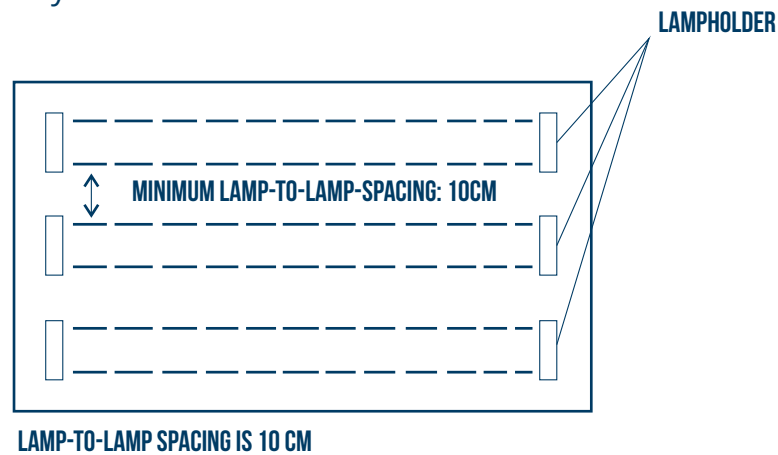
- ▶ These lamps should be installed by a licensed electrician.
- ▶ These lamps are to be used in indoor damp location only. Not suitable for wet location.
- ▶ Risk of fire or electric shock.
- ▶ This device is not intended for use with emergency exits.
- ▶ These lamps are not able to be used with a light dimmer.

INSTALLATION OR ASSEMBLY INSTRUCTIONS 1

Installation steps:

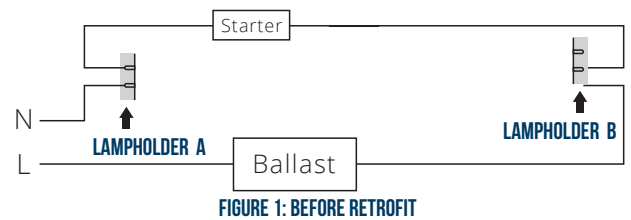
STEP 1: Turn off the power to the light fixture at the main service panel or the circuit breaker panel before installation.

STEP 2: Open the diffuser (if any) and fluorescent tubes. Please dispose the fluorescent lamp tubes properly as they contain mercury.

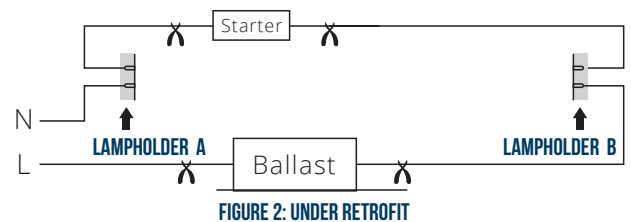


STEP 3: Open the wiring cover to expose the fluorescent lamp ballast. Check the wires of the light fixture before installation of the LED retrofit kit.

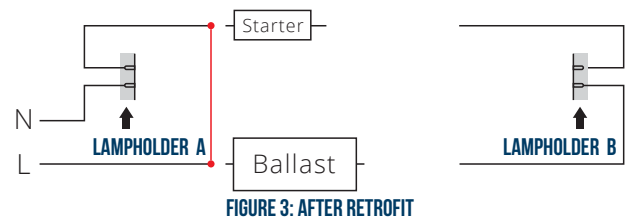
If the light fixture is providing with magnetic ballast and starter, disconnect and rewiring the wires at the point as shown in the following figures (see Figure 1 to Figure 3).



Cut the wires connected to the ballast and starter, and Lampholders as shown. [X] Remove the ballast and starter.



Rewiring the wires from Lampholder A to "L" and "N" of the supply circuit by wire nuts/connectors (Not provided with the package). Insulated or capped all unused conductors with wire connectors.



If the light fixture is providing with electronic ballast, disconnect and rewiring the wires at the point as shown in the following figures (see Figure 4 to Figure 6).

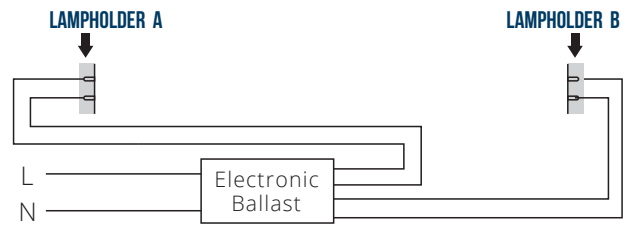


FIGURE 4: BEFORE RETROFIT

Cut the wires connected to the ballast and Lampholders as shown. [X] Remove the ballast and starter.

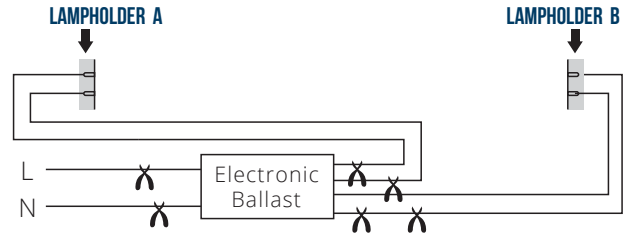


FIGURE 5: UNDER RETROFIT

Rewiring the wires from Lampholder A to "L" and "N" of the supply circuit by wire nuts/connectors (Not provided with the package). Insulated or capped all unused conductors with wire connectors.

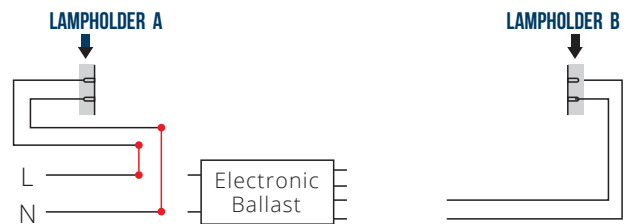


FIGURE 6: AFTER RETROFIT

STEP 4: Both line and neutral power are required to be connected to the same Lampholder as shown in Figure 3 and Figure 6. Check the wire connectors carefully which shall not be loosened. Be sure that the splices or connections should be insulated reliably, and they should be in the enclosed splice compartment.

STEP 5: Close the wiring cover.

STEP 6: Identify one side of the Lampholder which connected to the supply circuit as the live end and marked as "LIVE END" or "L/N" for future reference (See Figure 7 OR 7A). Install the LED Lamp Tube to light fixture matching the power side (the side marked with "AC") of the lamp to the "LIVE END" side of the light fixture. Close the diffuser. This LED Retrofit kit is intended for use with maximum 4 lamps in light fixture with or without diffuser.

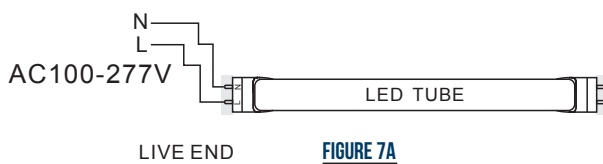


FIGURE 7A

OR

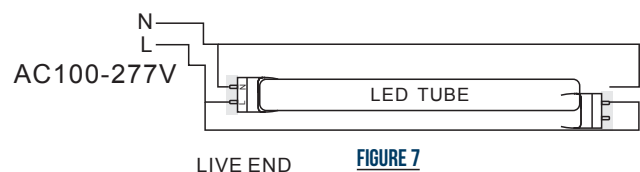


FIGURE 7

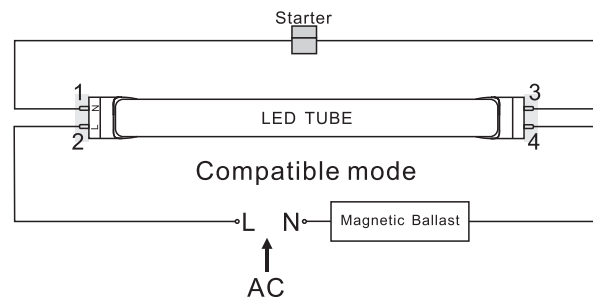
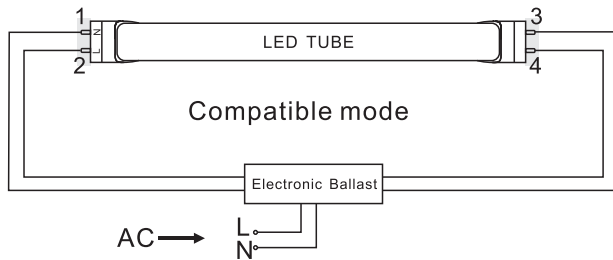
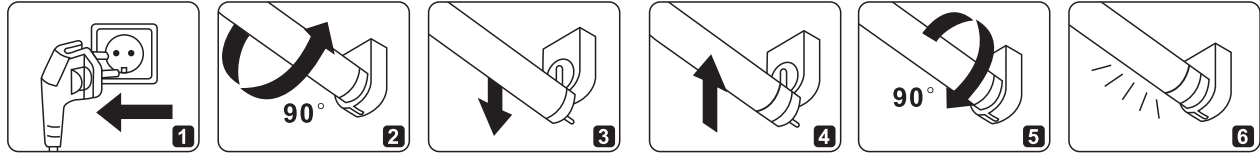
STEP 7: Turn on the light fixture. If the light fixture is not working, turn off the power at the main service/circuit breaker panel and check the wiring connections.

STEP 8: After modification completed, attach the relamping label which provided with the LED retrofit kit package to the light fixture. The label shall be readily visible by the user during relamping and after installation.

INSTALLATION INSTRUCTION:

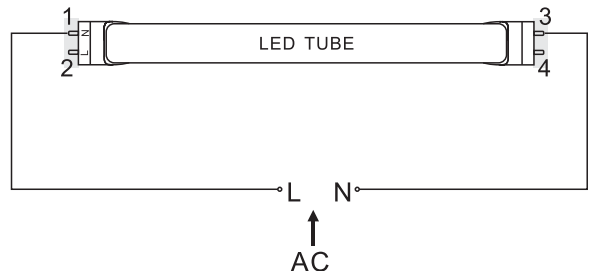
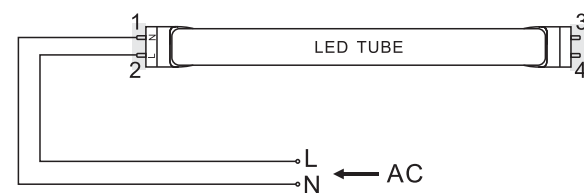
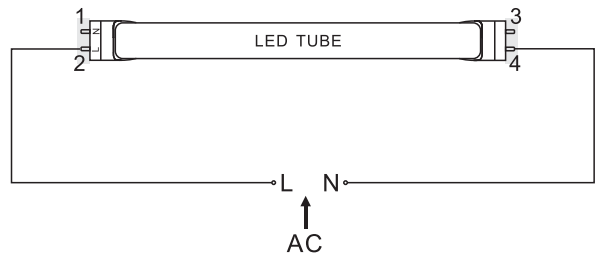
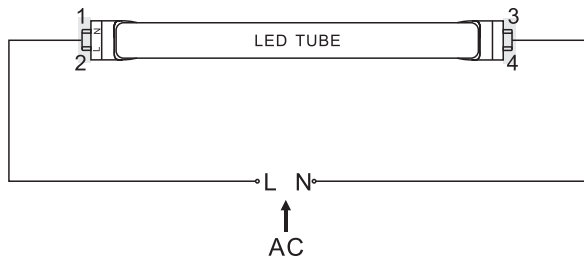
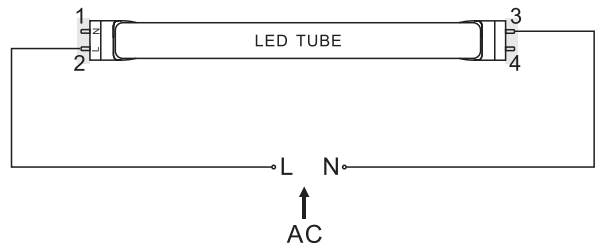
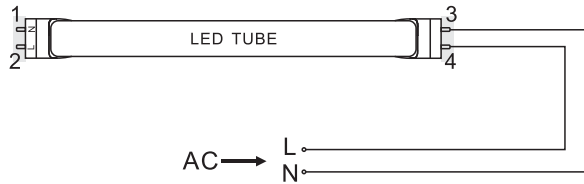
Ballast comparable installation

1. Switch off the electricity
2. Detach the conventional lamp from the fitting by turning it 90°
3. Remove the conventional lamp
4. Insert the LED Tube into the lamp fitting
5. Secure it in position by turning the LED Tube 90°
6. Switch on electricity.

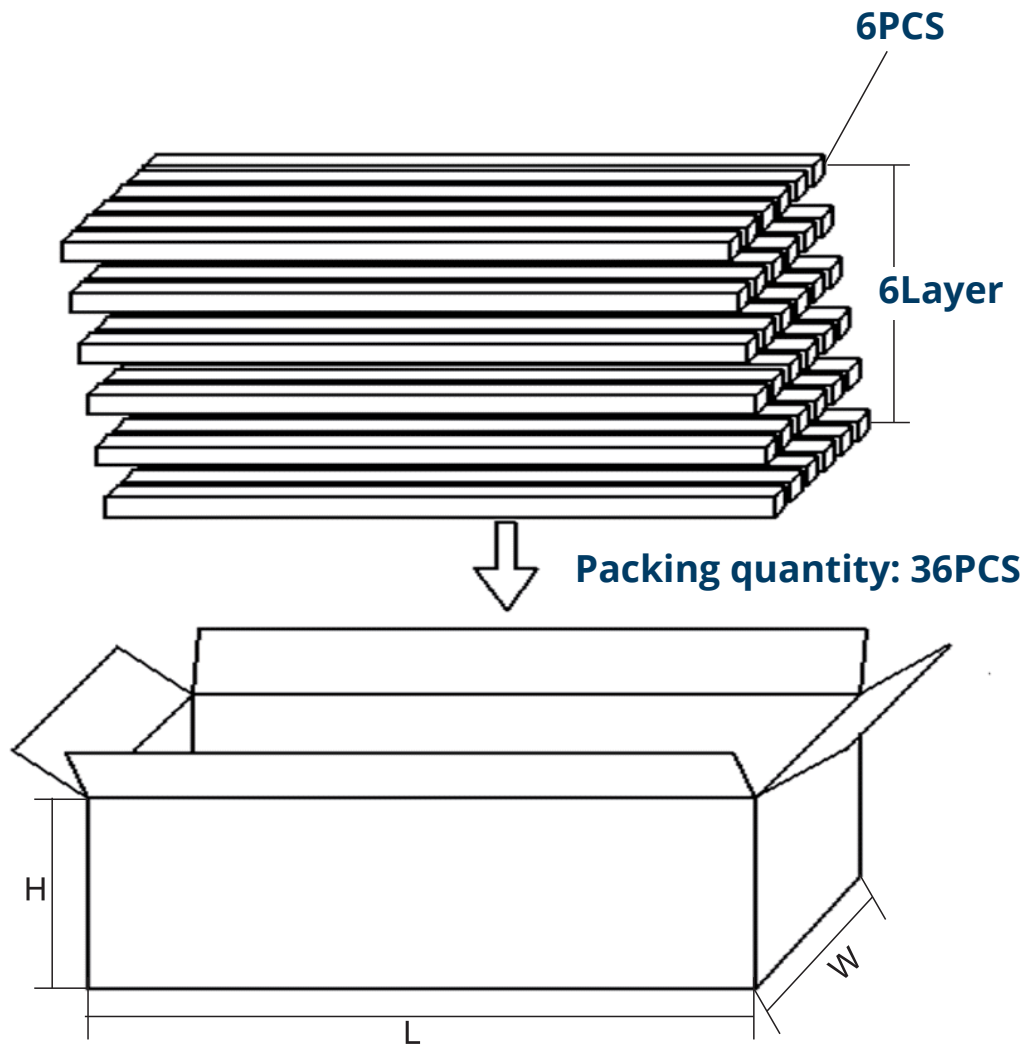


Single End and Double End Installation

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.



PACKAGE DIAGRAM



Carton Size: L1230xW200xH200mm (EL-T8-18WB)
L630xW200xH200mm (EL-T8-10WB)