



Thank you for purchasing HyLite OptiMax™ LED Tube Light and for investing in the future of eco-friendly products. By selecting HyLite OptiMax™ LED Tube Light you have chosen a High-quality, Eco-friendly product that is designed for years of Dependable Performance. We trust you will experience years of Reliable Service from it. This guide explains the Steps necessary to Install or Retrofit the T8/T10/T12 Tube Lights to ensure Optimal Performance.

This guide is for reference only and is intended for Qualified Electricians or Lighting Technicians. HyLite OptiMax™ LED Tube Lights are intended to Retrofit Maximum Four Lamps, Surface Mount, or Non-IC Recessed Mount Fluorescent Luminaires that use Straight Tubular Tube Lights.

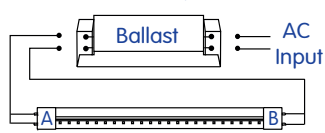
Warning - Important Safety Instructions

- Read and Understand the detailed Installation Instructions before installing the HyLite OptiMax™ LED T8 Tube Light.
- HyLite OptiMax™ LED T8 Tube Lights are designed to work with Electronic/Magnetic Ballasts or AC Direct Wire. Risk of Fire or Electric Shock. Read and Understand all Installation Instructions before installing HyLite OptiMax™ LED T8 Tube Lights. Use in Dry or Damp locations only. Do not use where directly exposed to water or weather. Non-submergible (not water tight).
- Disable all Power to the Fixture before Inspection, Installation, or Removal. Failure to do so will create a Hazardous and Fatal Working Environment.
- Do Not Make or Alter any Open Holes in an Enclosure of Wiring or Electrical Components during Installation.
- Do Not Open – No User Serviceable Parts inside.

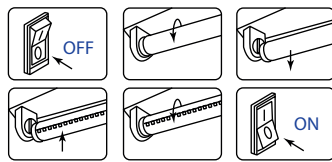
WARNING:

- Risk of Fire or Electric Shock. LED Retrofit Kit Installation requires knowledge of Luminaires Electrical Systems. If not Qualified, DO NOT attempt Installation. Contact a Qualified Electrician.
- Risk of Fire or Electric Shock. Install this Kit only in the Luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the Input Rating of the Retrofit Kit does not exceed the Input Rating of the Luminaire.
- DO NOT make or alter any open holes in an enclosure of Wiring or Electrical Components during Kit Installation
- To prevent Wiring Damage or Abrasion, DO NOT Expose Wiring to edges of Sheet Metal or other Sharp Objects.
- To avoid Potential Fire or Shock Hazard, DO NOT use this Retrofit Kit in Luminaires employing Shunted Bi-pin Lampholders. Note: Shunted Lamp Holders are found only in Fluorescent Luminaires with Instant-Start Ballasts. Instant-Start Ballasts can be identified by the words "Instant Start" or "I.S." marked on the Ballast. This designation may be in the form of a statement pertaining to the Ballast itself, or may be combined with the marking for the Lamps with which the Ballast is intended to be used, for example F40T12/IS. For more information, contact the LED Luminaire Retrofit Kit Manufacturer.
- Installers should not Disconnect existing Wires from Lampholder Terminals to make new Connections at Lampholder Terminals. Instead Installers should Cut existing Lampholder Leads away from the Lampholder and make new Electrical Connections to Lampholder Lead Wires by employing applicable Connectors.
- For a Linear Tubular LED Lamp Conversion, there shall be text or a Diagram showing how the supply Connections were made to the Lampholders so the correct Connections will be made to the Lamp when the Lamp is Installed or Replaced.
- This Retrofit Kit is accepted as a component of a Luminaire where the suitability of the combination shall be determined by Authorities having JURISDICTION.

TYPE A - Assembly Introduction:



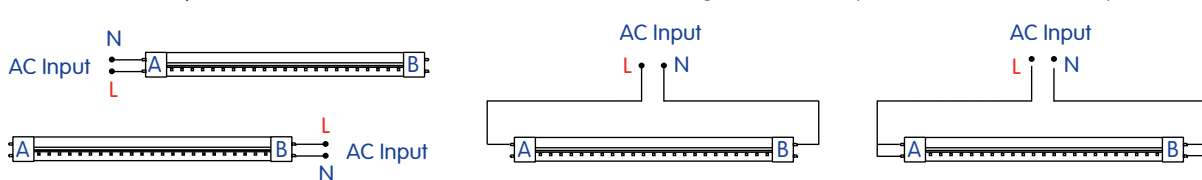
Type A Installation Guide:



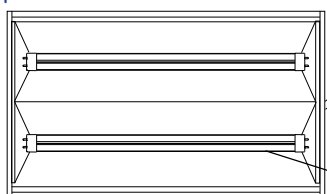
Instructions:

1. Switch-off Power to the Luminaire.
2. Remove Diffuser (if provided).
3. Remove the existing Fluorescent Lamps from the Luminaire.
4. Install the LED Tube Lamp.
5. Install Diffuser (if removed in step 2)
6. Switch on Power to the Luminaire.
7. Before Installation, please check Specifications for the most Current Ballast Compatibility List. If not Compatible, please insert LED Tubes according to Type B Installation Instructions.

TYPE B - Assembly Introduction: Note: The Tube can work with either Single-end Power Input or Double-end Power Input




Type B Installation Guide:



Instructions:

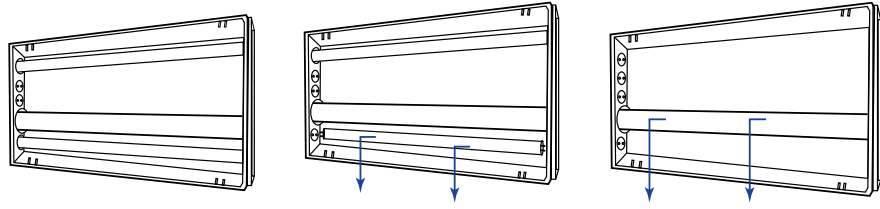
1. DISCONNECT POWER TO LUMINAIRE

 Disconnect Power to Luminaire or Circuit (if possible). Ensure all Power is OFF by using a Voltmeter or other approved method to confirm.

Fluorescent Tubes to be replaced

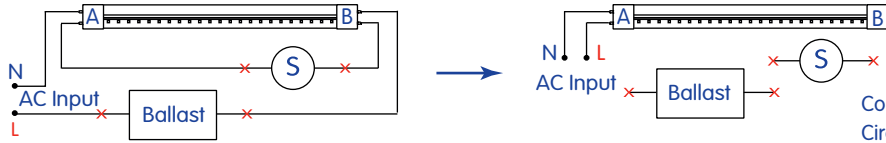
2. REMOVE EXISTING TUBE LAMP(S)

- Remove Troffer Lens, if present.
- Remove existing Fluorescent Tube by Rotating One-quarter turn and sliding Lamp(s)
- Remove Ballast Cover.
(Cover may be secured with Screws or Tabs).

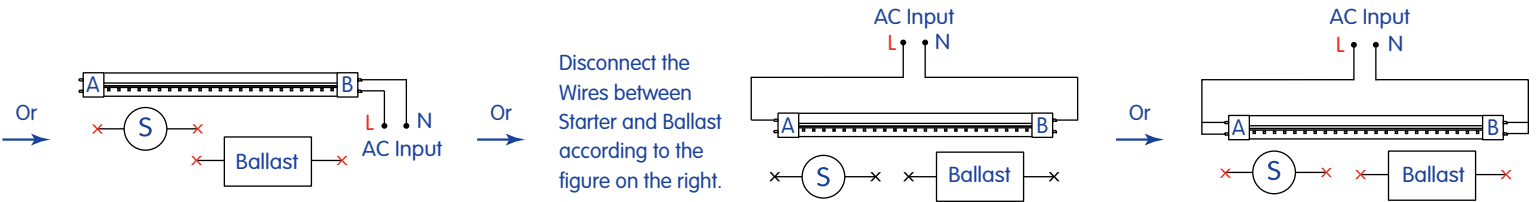


3 a. RETROFIT LUMINAIRE - Retrofit Luminaire with Inductive Ballast

Disconnect the Wires between Starter and Ballast according to the figure on the right.

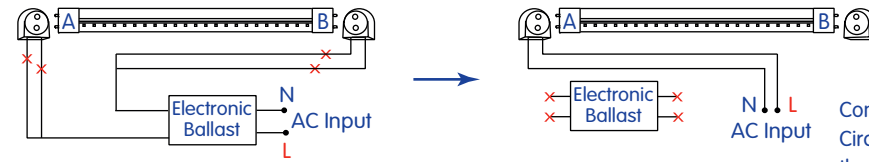


Connect two Wires to Branch Circuit L and N according to the figure on the left.

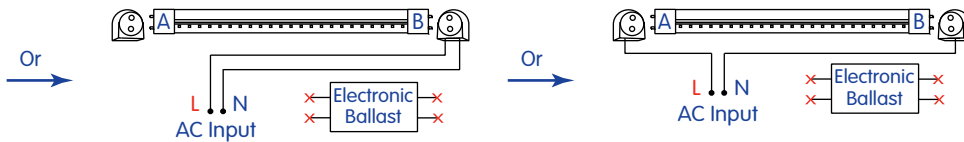


3 b. RETROFIT LUMINAIRE - Retrofit Luminaire with Electronic Ballast

Disconnect the Wires between Ballast and Starter according to the figure on the right.

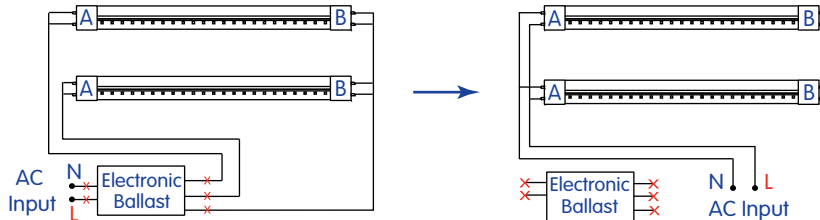


Connect two Wires to Branch Circuit L and N according to the figure on the left.

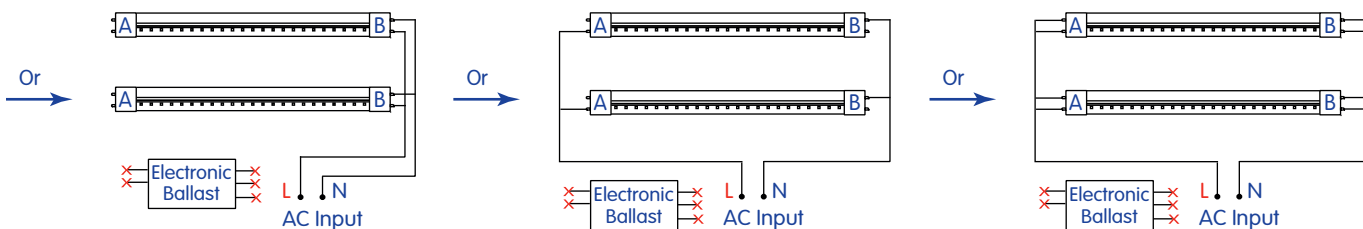


3 c. RETROFIT LUMINAIRE - Retrofit Luminaire with Two Lamps and One Electronic Ballast

Disconnect the Wires between Ballast and Starter according to the figure on the right.



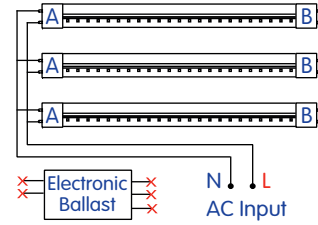
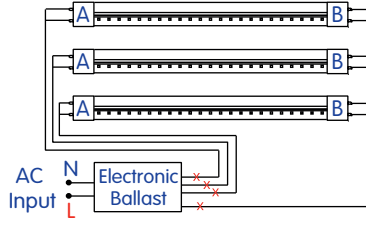
Connect two Wires to Branch Circuit L and N according to the figure on the left.



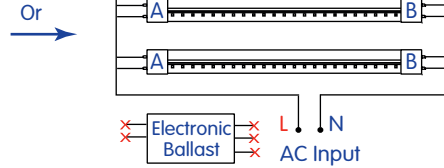
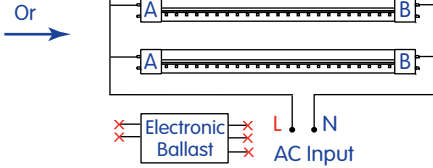
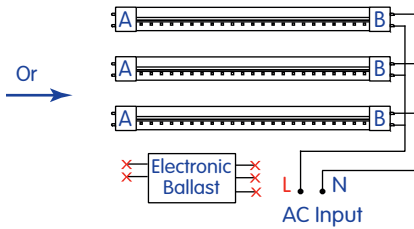
3 d. RETROFIT LUMINAIRE

- Retrofit Luminaire with Three Lamps and One Electronic Ballast

Disconnect the Wires between Ballast according to the figure on the right.



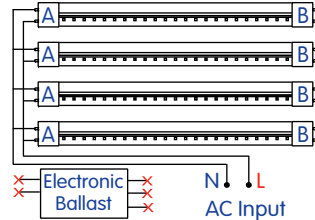
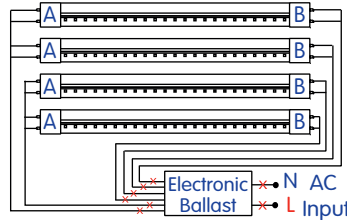
Connect two Wires to Branch Circuit L and N according to the figure on the left.



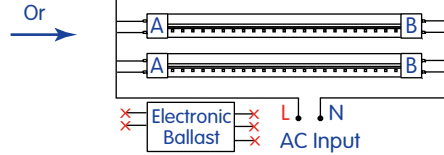
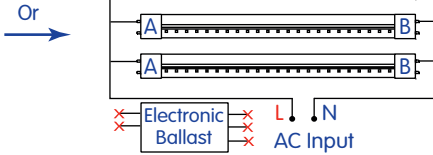
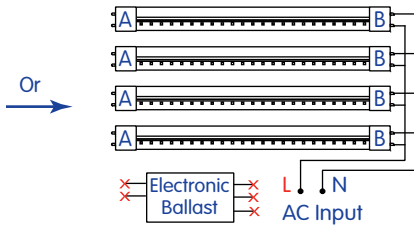
3 e. RETROFIT LUMINAIRE

- Retrofit Luminaire with Four Lamps and One Electronic Ballast

Disconnect the Wires between Ballast according to the figure on the right.



Connect two Wires to Branch Circuit L and N according to the figure on the left.



4. INSERT LED TUBES

- Ensure both the ends of the LED Tube are aligned with Socket, then insert LED Lamp in the normal way by sliding Pins into Sockets and rotating a quarter turn until the LED Tube locks in place.
- LED Lamps are now fully installed.
- Replace Troffer Lens, if present.
- After modification completed. Attach the Replacement Marking and Cautionary Label to a visible place on the Luminaire and keep it visible after installation.

5. RESTORE THE POWER OF LUMINAIRE

Restore Power to Circuit/Luminaire and test Light. If necessary, adjust position of LED Tube, and enjoy your new HyLite OptiMax™ LED Tube!