

# Intelligent Lighting Technologies Inc.

## LED Troffers

### Installation Manual



*Always work with the breaker shut off and use a LEC (licensed electrical contractor)*



# Available Troffers 120VAC

1x2 Linear Troffer

**Model # LT1x2**

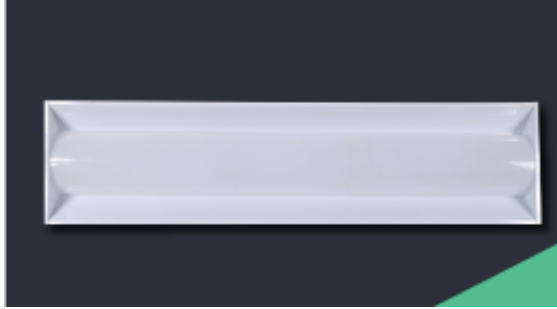
**Part # LT12**



1x4 Linear Troffer

**Model # LT1x4**

**Part # LT14**



2x2 Linear Troffer

**Model # LT2x2**

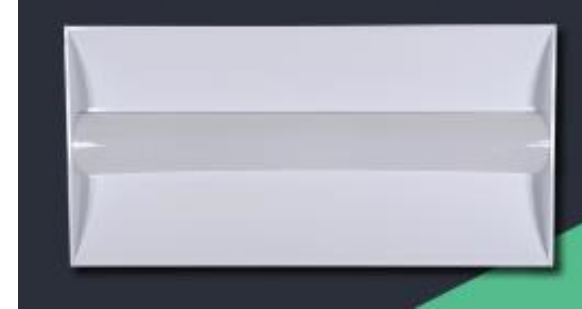
**Part # LT22**



2x4 Linear Troffer

**Model # LT2x4**

**Part # LT24**



## Available Troffers for higher voltages

1x2 Linear Troffer

**Model # LT1x2T**

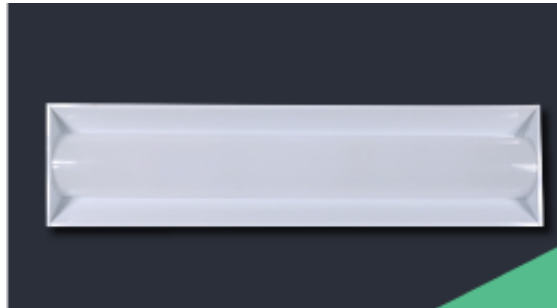
**Part # LT12T**



1x4 Linear Troffer

**Model # LT1x4T**

**Part # LT14T**



2x2 Linear Troffer

**Model # LT2x2T**

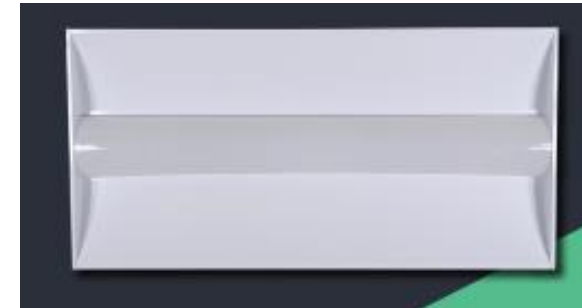
**Part # LT22T**



2x4 Linear Troffer

**Model # LT2x4T**

**Part # LT24T**





# Intelligent Lighting Technologies Inc.

## Important Safety Instructions

*Read and follow all safety instructions!*

To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards please read all warnings and instructions.

Before installing servicing, or performing routine maintenance upon this equipment, follow the general precautions.

Installation and service of luminaires should be performed by a **licensed electrical contractor**.

Maintenance of the luminaires should be performed by person(s) familiar with the luminaires' construction and operation and any hazards involved.

It will occasionally be necessary to clean the outside of the refractor/lens. Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to the user. To clean wipe with warm water and mild detergent. Rinse and wipe dry.

**Do Not Install Damaged Product!** This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm.

These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance.



## **Intelligent Lighting Technologies Inc.**

*Important safety instructions , read and follow all safety instructions!*

**WARNING** - Risk of fire or electric shock. LED fixture installation requires knowledge of luminaires electrical systems. If you are not qualified, do not attempt installation. Contact a licensed electrical contractor.

**WARNING** - Risk of fire or electric shock. Make sure to check for enclosed wiring and components.

**WARNING** - To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

**RISK OF INJURY**- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.

Avoid direct eye exposure to the light source while it is on.

**TYPE NON-IC.** Blinking light of this thermally protected luminaire may indicate overheating.

Suitable for damp locations

Minimal 90 degrees Celsius supply conductors.

**CAUTION** – risk of fire. Access above ceiling is required.

# Wiring



There are three potential wire connection points, left side, right side and centre



Remove the two screws from the rear electrical chamber cover



Lightly tap out the appropriate wiring connection point.  
In diagram 2 the centre wiring point selected.



Slide the Electrical cover plate away from the Troffer to remove.



Place an electrical connector 'not provided' into the knockout. Tighten nut on the inside surface.

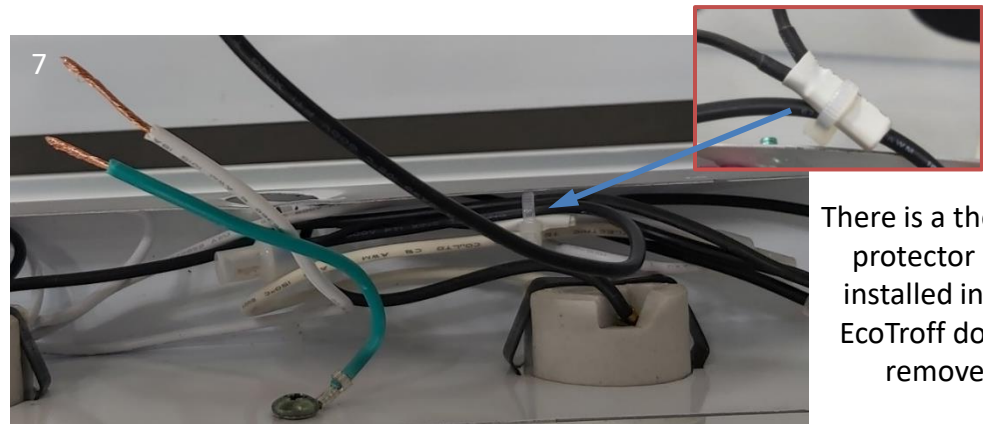


*Always work with the breaker shut off and use a LEC (licensed electrical contractor)*

# 120VAC Wiring



There are three wires in the Ecotroff for connecting power, the green ground, white neutral and black hot wire.



There is a thermal protector pre installed in the EcoTroff do not remove.



Place wires back neatly into the electrical chamber



Slide the Electrical cover plate back and screw into position.



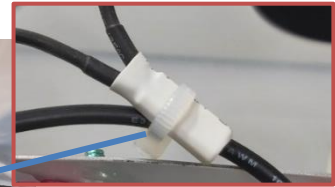
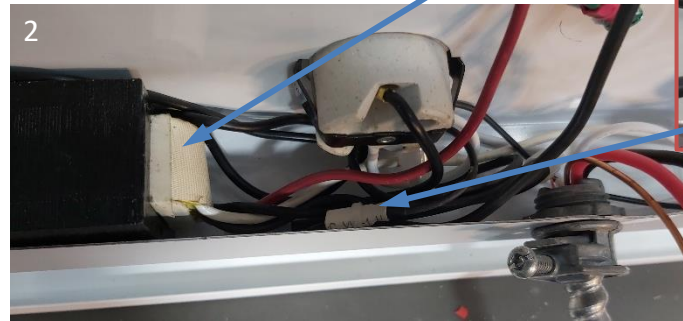
*Always work with the breaker shut off and use a LEC (licensed electrical contractor)*

# Higher voltage Wiring

The EcoTroff when ordered for Higher Voltages is equipped with a **step down transformer**.



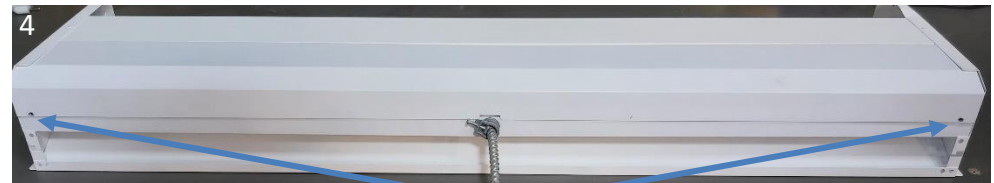
There are three wires in the Ecotroff for connecting power, the green ground, red hot wire and black hot wire.



There is a thermal protector pre installed in the EcoTroff do not remove.



Place wires back neatly into the electrical chamber



Slide the Electrical cover plate back and screw into position.



*Always work with the breaker shut off and use a LEC (licensed electrical contractor)*

# Replacing Bulbs



## Remove Lens

When handling the diffuser do not use excessive pressure .

Grasp the diffuser firmly squeeze, and pull outward.  
The diffuser will release.



## Replace bulb

Unscrew old bulb and screw in new bulb do not exceed 25 watts per bulb.



## Place Lens back

Centre Lens and push into place.



# Intelligent Lighting Technologies Inc.

## LED Troffers

### Installation Manual



To learn more about Intelligent Lighting Technologies Inc.  
Visit our web site at  
[www.Intelligentlightingtech.com](http://www.Intelligentlightingtech.com)