

SYLVANIA LEDVANCE

Luminaires Installation Guide

VOLUMETRIC TROFFER



Volumetric Troffers are environmentally preferable LED alternatives to traditional fluorescent lens troffer luminaires, offering up to 55% in energy savings. They are offered in two sizes and are ideal for illuminating offices, retail or hospitality areas.

For warranty coverage, please register at www.sylvania.com/warrantyregistration.

⚠ WARNING

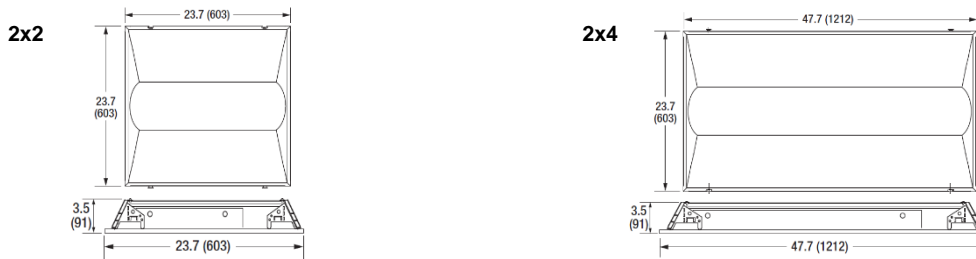
PLEASE READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION

- TO PREVENT PERSONAL INJURY OR PRODUCT DAMAGE ONLY LICENSED ELECTRICIANS SHOULD PROVIDE ALL INSTALLATION SERVICES.
- TO AVOID ELECTRIC SHOCK OR COMPONENT DAMAGE DISCONNECT POWER BEFORE ATTEMPTING INSTALLATION OR SERVICING.
- THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) AND ALL APPLICABLE FEDERAL, STATE AND LOCAL ELECTRIC CODES AND SAFETY STANDARDS.
- USE CAUTION WHEN HANDLING THIS PRODUCT DURING OR AFTER OPERATION AS IT MAY BECOME HOT AND CAUSE BURNS. DISCONNECT PRODUCT AND ALLOW COOLING PRIOR TO SERVICING.
- ANY ALTERATION OR MODIFICATION OF THIS PRODUCT IS EXPRESSLY FORBIDDEN AS IT MAY CAUSE SERIOUS PERSONAL INJURY, DEATH, PROPERTY DAMAGE AND/OR PRODUCT MALFUNCTION.
- TO PREVENT PRODUCT MALFUNCTION AND / OR ELECTRICAL SHOCK THIS PRODUCT MUST BE PROPERLY GROUNDED.
- THIS LUMINAIRE IS DESIGNED TO OPERATE IN AMBIENT TEMPERATURES RANGING FROM -13°F TO +104°F (-25°C TO +40°C) EMERGENCY BACKUP +32°F TO +104°F (0°C TO +40°C) AND TO BE MOUNTED WITH THE LEDS FACING DOWN.

SAFETY PRECAUTIONS:

IMPORTANT: READ CAREFULLY BEFORE INSTALLING THE FIXTURE. RETAIN FOR FUTURE REFERENCE.

GENERAL: Upon receipt of the fixture, thoroughly inspect for any freight damage which should be brought to the attention of the delivery carrier.



INSTALLATION:

1. Disconnect power to fixtures.
2. Remove ceiling tile(s) where the Volumetric Troffer will be installed.
3. Prepare luminaire by opening back plate to electrical box and removing the appropriate knock out. (See Fig. 1)
4. Raise luminaire into hole in the ceiling, above the 15/16" or 9/16" T-bar. (See Fig. 2)
5. Slowly rest luminaire on T-bar and make sure the luminaire fits appropriately before wiring. (See Fig. 3)
6. To make electrical connections open an adjacent space in the ceiling and connect the incoming electrical wires to the set of power wires black to black (hot), white to white (neutral) and green to green (ground). (See Wiring Diagram 1)
 - For Emergency Battery Backup:** See page 3 for instructions to connect emergency battery backup
 - Locate all four earthquake clips on back of luminaire.
 - Twist each tab away from luminaire resting them on the T-bar. This will hold the luminaire in place.
7. Attach safety cable (provided by others) through hole in top of housing. (See Fig.4)
8. Installation is now complete. Turn on the power at circuit breaker or fuse box then turn the light switch to power the fixture.

Figure 1

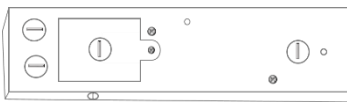
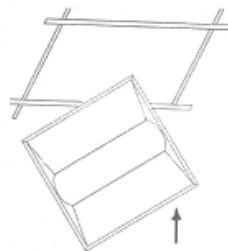


Figure 2



Wiring Diagram 1

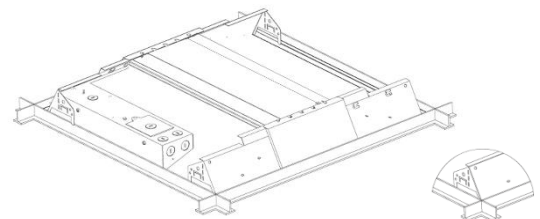
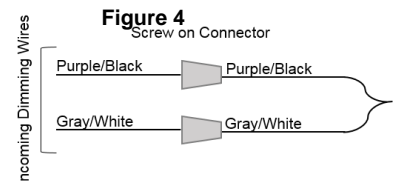
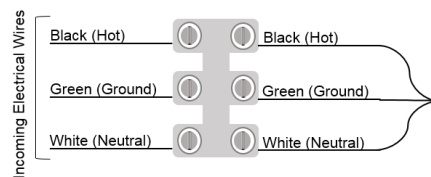


Figure 3



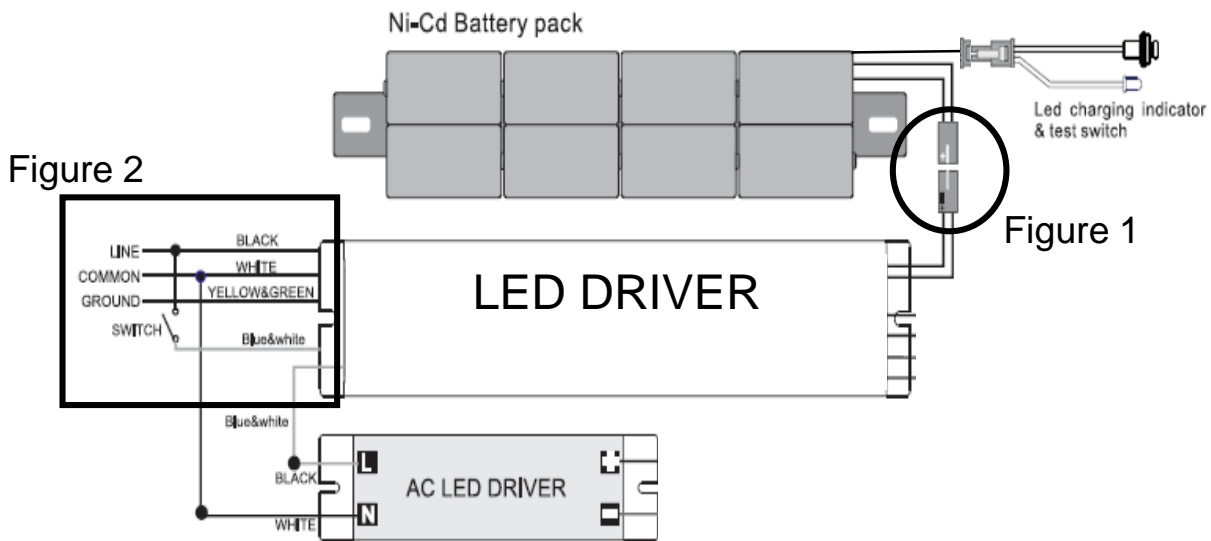
CONNECTING EMERGENCY BATTERY BACKUP AND INSTALLING TEST BUTTON:

Connecting the Emergency Battery Backup:

1. Remove side facing cover plate on back of luminaire and connect the orange connectors (as seen in figure 1).
2. Replace the cover plate.
3. Remove top facing cover plate and pull all wires out from inside.
4. Connect the switched power to the blue/white striped wire.
5. Connect the unswitched power to the black wire, white to white and ground to the yellow/green striped wire (as seen in figure 2).
6. Replace the top cover plate.

Emergency battery backup is now installed.

If installed correctly battery backup button will glow red and once the button is pressed luminaire will dim to emergency level. Once the button is released the luminaire will turn off momentarily before returning to original output.



ADDING A WALL DIMMER

This fixture is compatible with 0-10V output dimming controls. Using the 0-10V dimming the light output will range from 10% - 100%. To get to 0% light output (OFF) it is necessary to disconnect the input power from the LED drivers. This can easily be done by inserting a relay/switch between the line and load connectors inside the fixture. Connect dimmer or wall switch to dimming inputs on driver. (See Wiring Diagram 1)

CLEANING AND MAINTENANCE

- To maintain the fixture efficacy occasional cleaning of the outer lens surface may be needed.
- Use a mild soap or detergent, which is essentially neutral pH (pH approximately 6 to 8), nonabrasive, and which contains no chlorinated or aromatic hydrocarbons.
- Wash thoroughly, using a soft cloth.
- Rinse with clean, cold water and wipe dry.



TROUBLE SHOOTING CHECKLIST: If luminaire does not work

- Check your power source.
- Check electrical connections.