



## 2x2 Troffer Fixture Models: T2DD3/T2HD3

## Installation Instructions Troffer Fixture, Suspended Ceiling 24VDC<sub>in</sub> or 48VDC<sub>in</sub> (March, 2014)

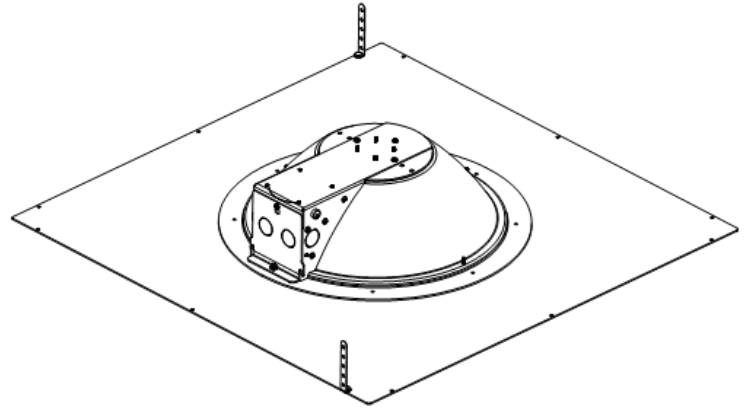
### Operation

Please refer to the [Electrical Installation](#) for proper connection to power and control.

The Silescent® T2DD3/T2HD3 series Low-Voltage Troffer Fixture provides for ON/OFF operation as well as Silescent SimpleNet dimming.

The light may be operated as standard ON/OFF, or the light may also be digitally dimmed by connection of the YELLOW and PURPLE wires to a Silescent® Digital Dimming Control.

**FIGURE 1** – Troffer Fixture Assembly



### Important Notes *(Please read before Installation)*

**For Use with the following input power sources (nominal):**

- **Model T2DD3:** 24VDC<sub>in</sub> (12-36VDC<sub>in</sub>)
- **Model T2HD3:** 48VDC<sub>in</sub> (48 – 60VDC<sub>in</sub>)

#### Wiring Notes

- Always **TURN OFF POWER** before installation.
- Install according to national and local electrical codes.

#### Compatible Controls

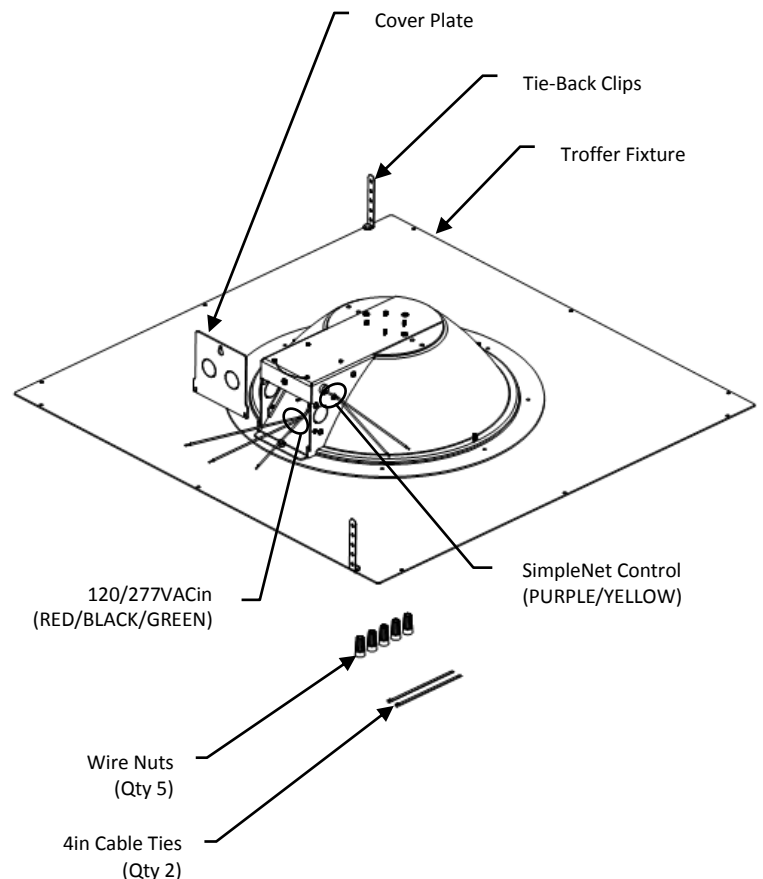
- ON/OFF Switch.
- Silescent® SimpleNet 4-wire Digital Dimming control.

#### Cleaning Instructions

- TURN LIGHT OFF BEFORE CLEANING.
- The light may be cleaned with water only. Do not use solvents to clean the plastic diffuser.

The back of the unit is physically protected by a metal box but is not water sealed, please keep dry. There are no serviceable parts or settings required for this unit.

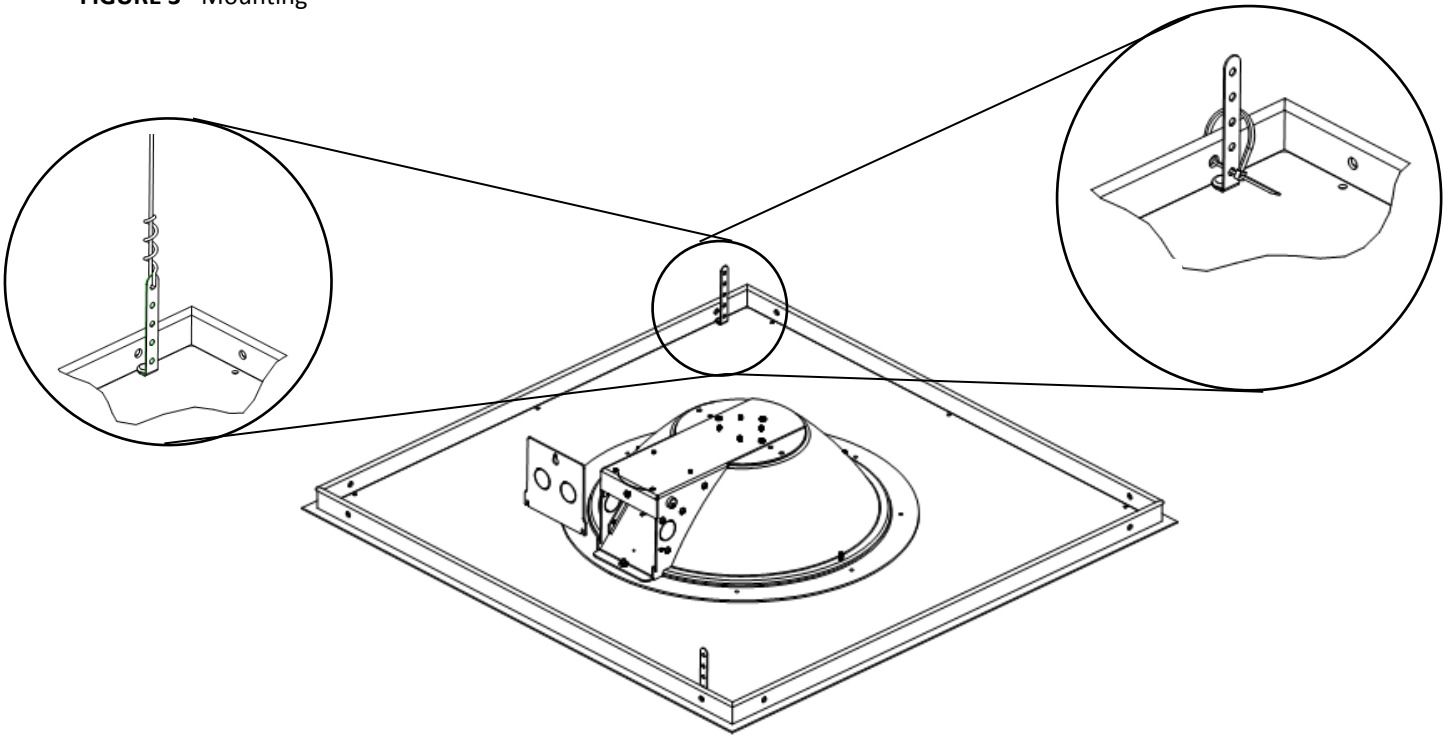
**FIGURE 2** – Package Contents & Parts Identification



## Mechanical Installation

1. Unpack shipping container and separate components.
2. Remove the COVER PLATE from the fixture to access the electrical connections.
3. Place the LED Troffer Fixture into the T-Bar Ceiling panel.
4. Using the provided CABLE TIES (2x), carefully bend up the TIE-BACK CLIPS located in opposite corners of the fixture using your fingers and insert the CABLE TIE through each TIE-BACK CLIP and the nearest available hole on the grid structure. Loosely secure the CABLE TIE accordingly.
5. The TIE-BACK CLIPS may also be used to route Hanging Wire in accordance to applicable building codes.

**FIGURE 3 - Mounting**



## Electrical Installation

1. Rout the power supply line(s) through the COVER PLATE (remove knockouts as required). Use code approved fittings for wire protection as required.
  - Note: Use provided wire nuts or a UL Listed equivalent for all electrical connections; Make all electrical connections inside provided wiring chamber.
2. Locate the GREEN wire protruding from the back of the light fixture and connect it to the safety ground.
3. Connect the POSITIVE power lead (input) to the RED wire on the fixture, and the NEGATIVE power lead (input) to the BLACK wire of the fixture.
4. After completing all electrical connections, carefully tuck the wires back into the enclosure and fasten COVER PLATE onto the Troffer Fixture using provided fastener.
5. If Silescent SimpleNet 4-wire digital dimming is desired (models T2DD3 or T2HD3), connect the POSITIVE(+) lead from the Silescent Dimming control to the PURPLE wire on the fixture and the NEGATIVE(-) dimming lead to the YELLOW wire on the fixture (see Silescent SimpleNet Wiring Schematic for proper electrical connection of dimming controls). These Class 2 electrical connections are to be made outside of the wiring chamber of the fixture.
  - Note: PURPLE/YELLOW SimpleNet Control wires may be capped if not used.