

 **WARNING:**

Disconnect power during installation and before servicing.  
Wear gloves to prevent cuts/abrasions from sharp edges when removing from carton, handling, and maintaining this fixture.

 **SAFETY:**

This fixture must be wired in accordance with the National Electric Code and applicable local codes or ordinances.

All work should be performed by a qualified electrician.

To insure personal safety, proper grounding is required (connect green fixture lead to supply ground).

**IMPORTANT:**

Read all instructions carefully before attempting installation.

### PREPARING THE FIXTURE FOR INSTALLATION

1. Remove fixture housing and diffuser from carton being careful not to scratch the diffuser. Bend diffuser outward at ends and lift it off of housing. **See Figure 2.**
2. Squeeze wireway cover to release from the fixture housing.
3. Remove knockout at center of fixture by placing straight blade screwdriver on knockout and striking sharply with hammer. Slug may then be removed with pliers.

**WARNING: Before wiring fixture to the power supply, turn off electricity at fuse or circuit breaker box. Fixture must be grounded to avoid potential electrical shock and to ensure reliable lamp starting.**

4. Lift fixture housing to ceiling, over outlet box. Mark ceiling with pencil through mounting holes slots. Drill 1/8" pilot hole at each location.  
If drill encounters ceiling joist, hold fixture up to outlet box and pull electrical supply wires into fixture through the knockout hole, use wood screw at each end of the fixture body to secure to ceiling joist.  
If drill does not encounter ceiling joist, enlarge hole in ceiling to accommodate toggle bolt (not included). Hold fixture up to outlet box and pull electrical supply wires into the fixture through the knockout hole, insert and tighten toggle bolts.
5. Ground fixture as follows. Connect the green or bare copper ground wire from the outlet box to the green ground wire from the fixture. If house wiring includes no ground wire, consult electrician
6. Connect black fixture wire(s) to black power supply wire with wirenut. Connect white fixture wire(s) to white power supply wire with wirenut. For proper connection, place wirenut over wires, twist clockwise until tight.
7. Replace wireway cover under tabs in fixture body. Make sure no wiring is pinched between cover.

### INSTALLING LAMPS AND DIFFUSER

8. Guide the pins on one end of the lamp into one lampholder. Guide other end of lamp into opposite lampholder. Rotate lamp ¼ turn in either direction until seated.
9. Install diffuser by hooking one side of diffuser over turned-up hooks on end plates. Carefully bend diffuser and snap over turned - up hooks on opposite side of fixture. **See Figure 2.**
10. Restore Power

**CLEANING LENS:** For best results, diffusers should be washed with soap or mild detergent. Rinse with clear water and allow to air dry.

**⚠ WARNING:** Improper seating of lamps can create a fire hazard. Whether field or factory installed, ensure lamp position is correct before energizing fixture. See Diagrams 1 and 2.



Diagram 1-T8 lamp seating



Diagram 2-T5 lamp seating

The dimple on the lamp base is aligned with the slot in the lamp holder

The flat surface of the lamp base is perpendicular to the slot in the lamp holder

**FIXTURE PARTS LIST**

Description	Quantity
1) Fixture Housing .....	1
2) End Plate .....	2
3) Socket .....	2 or 4
4) Wireway Cover .....	1
5) Diffuser .....	1
6) Ballast .....	1

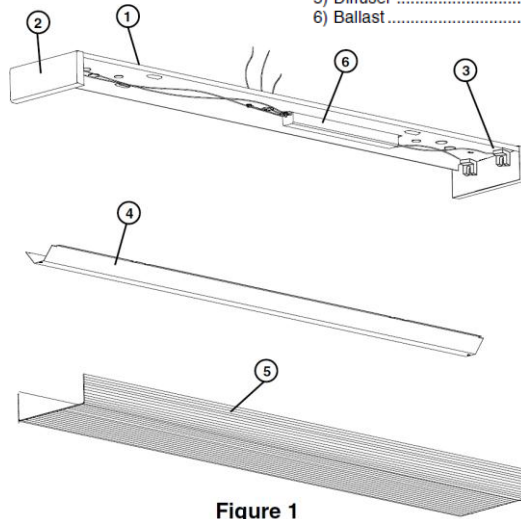


Figure 1

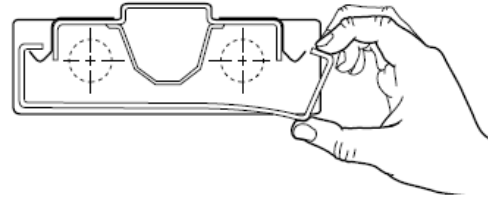


Figure 2

**TROUBLESHOOTING TIPS:** If the fixture fails to operate properly, check the following:

- ✓ Verify the correct lamp type is used and properly installed.
- ✓ Verify the lamp is not defective (try known good lamp).
- ✓ Verify proper line voltage is present.
- ✓ Verify fixture wiring (refer to schematic printed on ballast label).
- ✓ Verify that the fixture is grounded.



**WARNING:** These procedures should only be performed by a qualified electrician. Supply power should be turned off when replacing components or checking connections. Never perform maintenance or cleaning while fixture is energized. Disconnect power and allow lamp to cool before replacing.