



FSAx - INSTALLATION INSTRUCTION SHEET

HOWARDTM

LIGHTING PRODUCTS

IMPORTANT:

- Read all instructions carefully before attempting installation. If you do not understand these instructions, please consult your local distributor.
- Thoroughly inspect the fixture for any freight damage; freight damage should be reported to the delivery carrier.

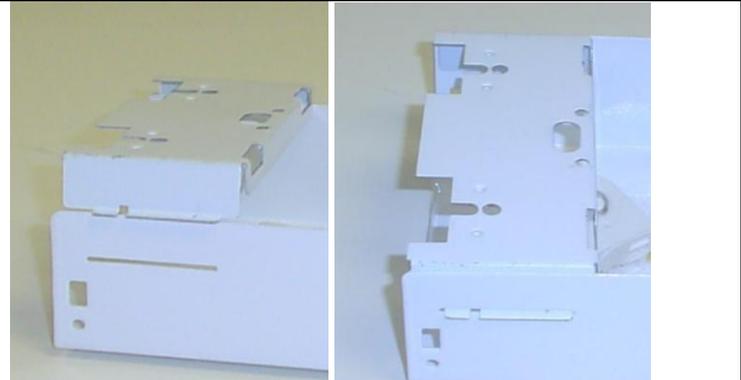
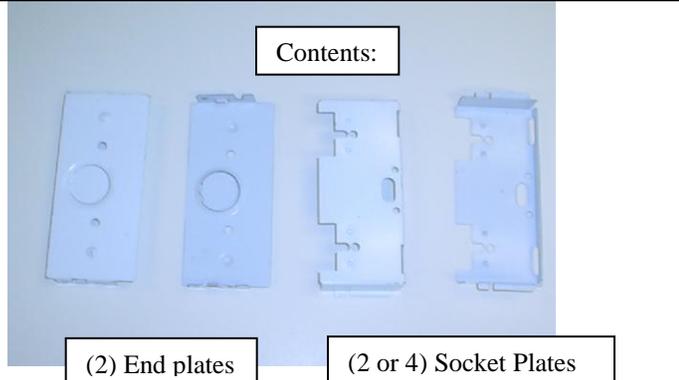
⚠️ WARNING:

- Disconnect power during installation and before servicing.

⚠️ SAFETY:

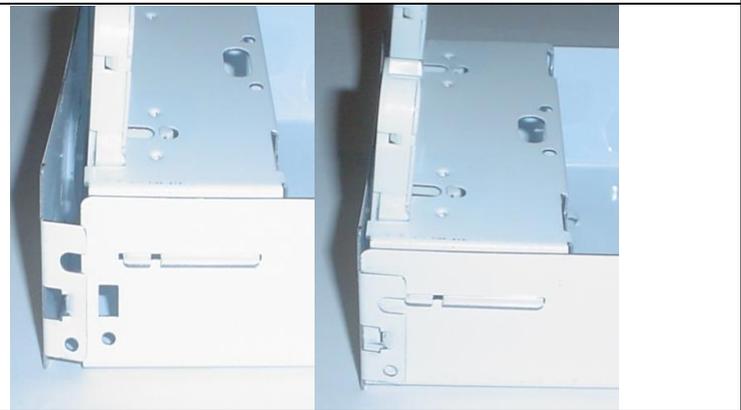
- This fixture must be wired in accordance with the National Electric Code and applicable local codes or ordinances.
- All work should be performed by a qualified electrician.
- To insure personal safety, proper grounding is required (connect green fixture lead to supply ground).
- To avoid possible lacerations wear gloves when handling sheet metal.

ASSEMBLY:



1. Unsnap front cover from fixture body. Remove bagged parts from fixture interior. Note that socket plate may vary slightly depending on lamp type.

2. Insert tabs of Socket Plates into slots in the body ends. Note that the lampholder cutouts are toward the fixture ends.



3. Snap the pre-wired lampholders into the slots of the socket plate. Ensure that all wires run *underneath* the socket plate. **Ensure lampholder stops securely engage the round holes in socket bar to prevent lampholders from sliding out.**

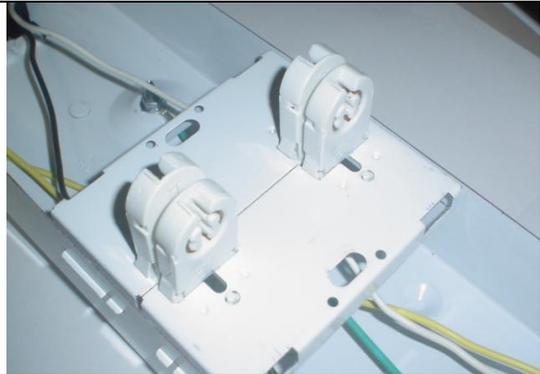
4. Orient end plate so that the tab on the end plate lines up with the receiving slot in the fixture body. Insert one of the end plate tabs into the slot. Mating the second tab will require a gentle tap with the palm of the hand, a rubber mallet, or similar non-marring object. Ensure that no wires are pinched in this process. When all socket bars and end caps are installed snap the front cover(s) onto the fixture.



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5. **8' TANDEM STRIPS ONLY.** Insert the lamp holders into the center socket plates. The socket plates insert into the center slots just as they do on the fixture ends. The lampholders will be back-to-back. The two Red leads should go into the same socket plate. The two Blue leads should go into the other socket plate. When all socket bars and end caps are installed snap the front cover(s) onto the fixture.

6. **JOINING END TO END RUNS ONLY.** End caps can alternatively be used to physically join two fixture ends as shown in the diagram above. Fixtures must still be individually mounted or hung. Push end cap into lances until the dimple on the end cap engages the hole that receives it. There are through-holes on the fixture ends that allow the end cap to be screwed or riveted to the fixture ends for increased stability.

MOUNTING:

1. FSAX Series Fluorescent Strip luminaires are designed for maximum flexibility in mounting options to include surface mount, pendant mount, and chain hanging. Please refer to the Mounting Accessory kit for detailed instructions.

WIRING CONNECTIONS:

 (Use only approved connectors for all electrical connections.)

- Connect the black fixture wire to the black supply wire (line).
- Connect the white fixture wire to the white supply wire (neutral).
- Connect the supply ground wire to the green fixture wire (or GRD screw if provided).
- Ballast Voltage: This fixture is typically provided with a multi-volt ballast (120-to-277v), but may have a single tap ballast (such as 120v only). Ensure that the supply voltage is correct for the ballast in this fixture.

REASSEMBLY / LAMP INSTALLATION:

- Reinstall the front cover; carefully placing it back into its original position insuring that no wiring is pinched.
- Install Fluorescent lamps. Insert each lamp into sockets and turn until the lamp 'snaps' into place. If lamp replacement is necessary, insure that the lamp is the same wattage and type as indicated on the ballast label.

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



Diagram 2-T5 lamp seating
The flat surface of the lamp base is perpendicular to the slot in the lamp holder



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.



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