

INSTALLATION INSTRUCTIONS

Sealed Supplemental Surgery Troffer Series: STS8240/8140/8220

CAUTION: THE INSTALLATION AND SERVICING OF THIS PRODUCT SHOULD BE PERFORMED BY A QUALIFIED ELECTRICIAN OR SERVICE PERSONNEL
ATTENTION : L'INSTALLATION ET L'ENTRETIEN DE CE PRODUIT DOIVENT ÊTRE EFFECTUÉS PAR UN ÉLECTRICIEN OU UN MEMBRE DU PERSONNEL QUALIFIÉ.

FOR SUSPENDED GRID CEILINGS (STANDARD 1" AND 1-1/2" RUNNERS)

"G" style surgery troffers are designed to integrate with standard suspended grid ceilings. They can be installed in any pattern, as with standard commercial troffers, with the weight of the fixture supported from the building structure.

FOR SHEETROCK/PLASTER CEILINGS (INDIVIDUAL OR ROW MOUNTING)

Step 1

"F" style supplemental surgery troffers are supplied with two universal end trims. Install two trims on each housing end before mounting an individual fixture (Figure 1). In rows of multiple fixtures, install two trims on the initial fixture and then one trim on each additional fixture (Figure 2). The trim must be installed between each fixture to support the subsequent fixture. On the last fixture in a row, install one trim on the fixture as shown before mounting it (since fixture end-access will be inhibited). Always insert trim screws from the outside of the fixture.

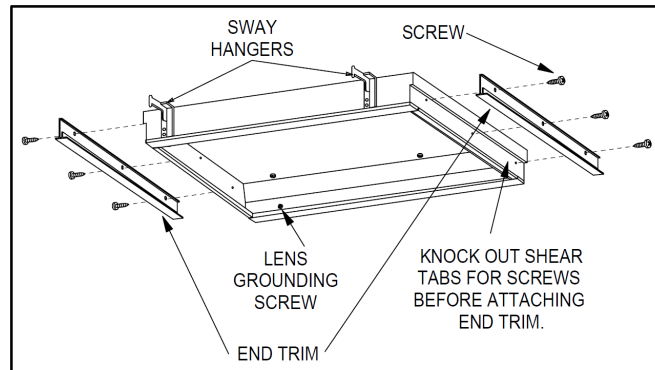


Figure 1. End Trim Mounting – Single Fixture

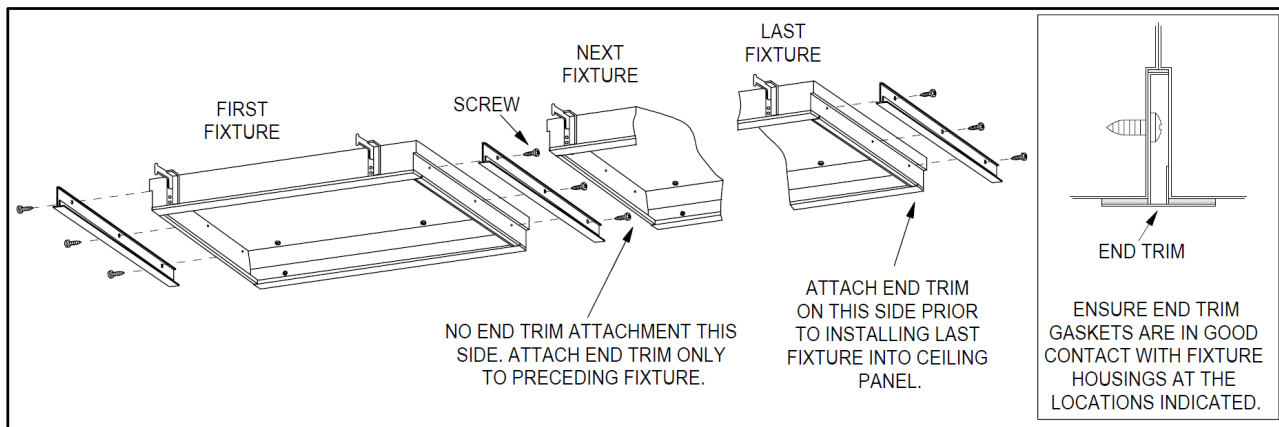


Figure 2. End Trim Mounting – Multiple Fixtures

Step 2

"F" style supplemental surgery troffers are designed to mount from field-supplied hanging structures such as "C" channels. First, hang the supports from the building structure. Next, install the sheetrock/plaster with openings for the fixtures. Optional plaster frames may be ordered separately to help size the ceiling opening (see Figure 3). Untape all four sway hangers from the housing before inserting the fixtures into the ceiling openings. After inserting a fixture into the ceiling, swing out the hanger bars as shown (Figures 1 & 2) so that hangers are above the ceiling supports. Tighten all four hanger bar screws so that the fixture is tightly held at the ceiling opening.

CAUTION: Electrical luminaires are designed for permanent installation in ordinary (Non-Hazardous) locations in accordance with the National Electrical Code and all applicable local codes. Do not use in areas of limited ventilation or in high ambient enclosures. The lamp and luminaire operate at high temperatures, contact with combustible materials can cause fire and personal contact can cause severe burns.

ATTENTION: Ce luminaire a été conçu pour une installation permanente dans un emplacement régulier (non dangereux) et en conformité avec le Code électrique canadien et codes locaux applicables. Ne jamais installer dans un endroit où la ventilation est limitée ou dans des boîtiers où la température ambiante est très élevée. La lampe et le luminaire fonctionnent à des températures élevées, un contact avec des matériaux combustibles peut engendrer un incendie et un contact corporel peut causer de sévères brûlures.

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FOR SHEETROCK/PLASTER CEILINGS (INDIVIDUAL OR ROW MOUNTING) Continued

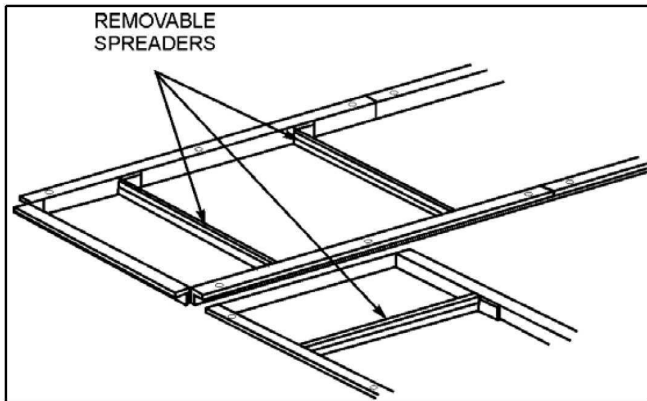


Figure 3. Optional Plaster Frames

CUT-OUT DIMENSIONS (Fig. 4)

The ceiling opening for individual fixture mounting is:

2' X 4' – 22-7/8" X 48-5/8"

2' X 2' – 22-7/8" X 24-5/8"

1' X 4' – 10-7/8" X 48-5/8"

Add 1/8" to each dimension when using plaster frames. Add 48" for each additional fixture in a row. (For example, a 3-fixture row would require 48 5/8" + 48" + 48" = 144 5/8")

MULTIPLE CIRCUIT INSTALLATIONS

Unless otherwise specified, supplemental surgery troffers are supplied with one radio suppressor per fixture. For multicircuit installations, order one optional Radio Suppressor (RSP) for each additional circuit.

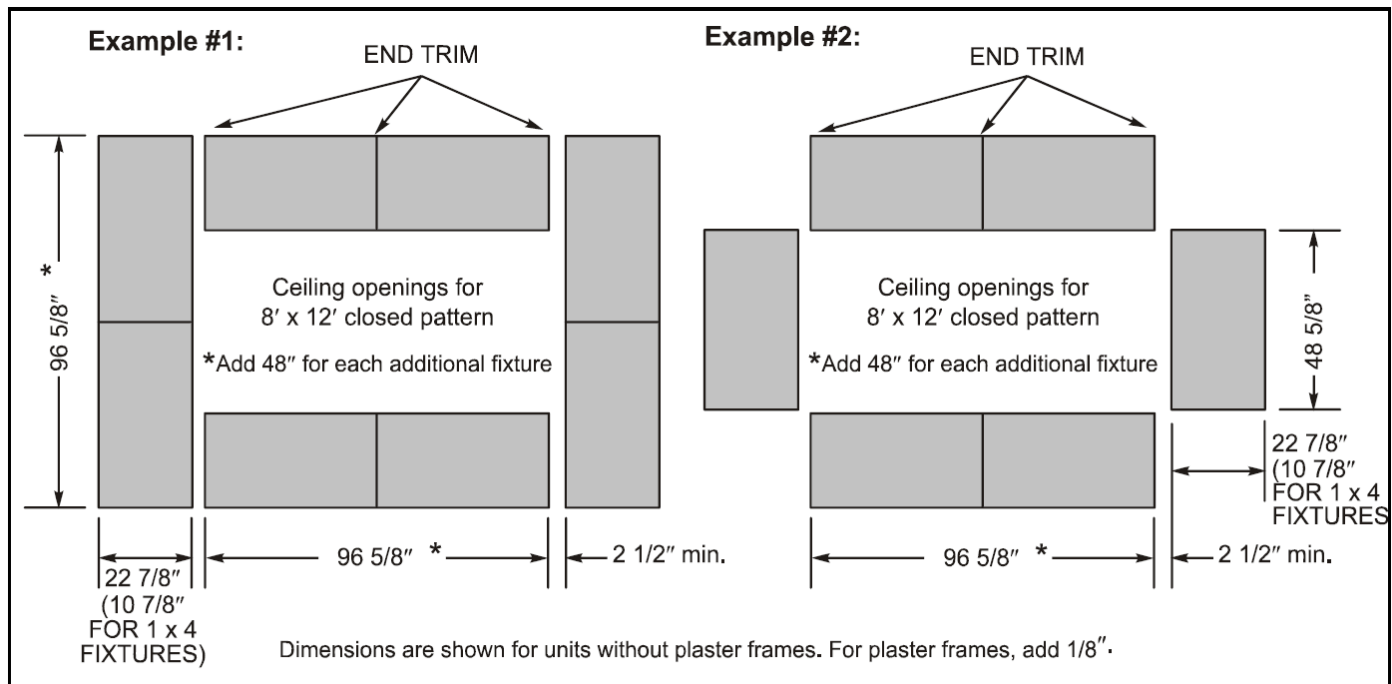


Figure 4. Example of Patterns in Sheetrock / Plaster Ceilings

LENS ORIENTATION

Troffers come with a special asymmetric/symmetric lens options. For proper illumination, the prisms must be oriented as indicated on the label at the edge of the lens with the asymmetrical prism pattern toward the center of the room.

LENS GROUNDING

All lenses have a screened-on, Silver-X EMI grid. For proper shielding of direct radiated electromagnetic interference, the lens grounding clip and wire must be securely attached to the screws provided inside the housing.

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