



## CAUTION

• Read all instructions.

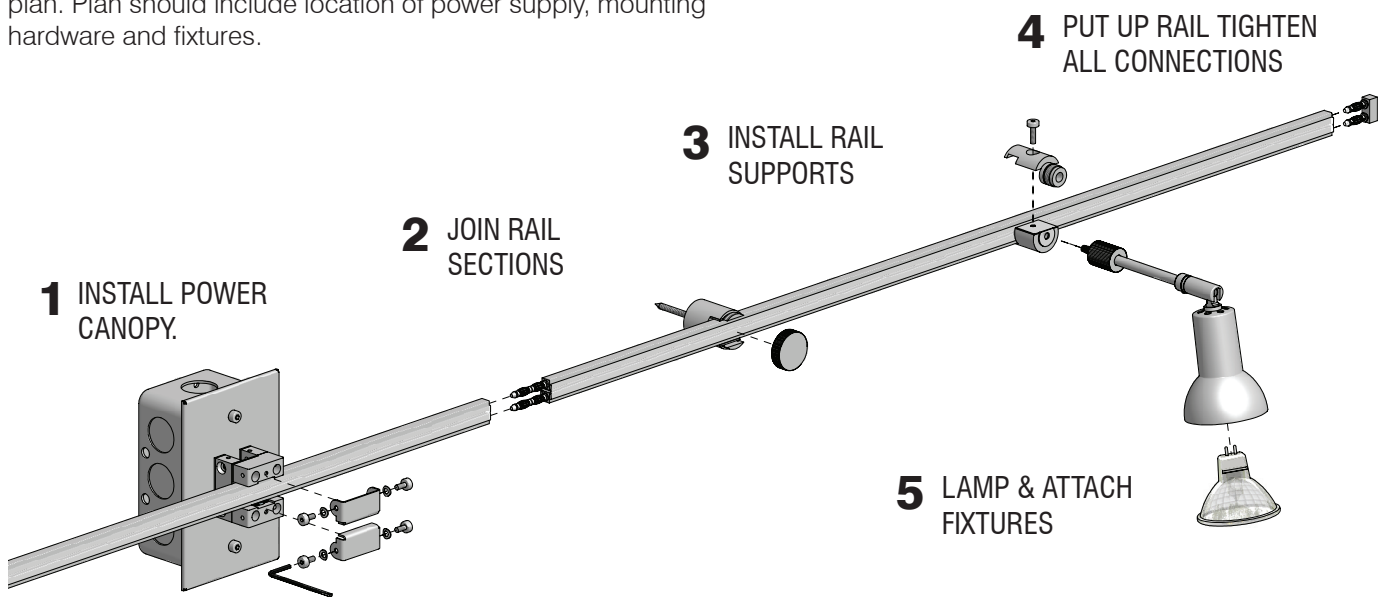
- **WARNING: RISK OF FIRE OR ELECTRICAL SHOCK:** Do not make or alter any openings in the compartment of wiring or electrical components during installation. Do not alter or add ballasts, or any other electrical components.
- Installation and use of this fixture mounting assembly requires a person familiar with the construction and operation of luminaire electrical systems and the hazards involved, if not qualified, do not attempt installation.
- Turn off power before installation.
- Ensure all connections are tight to prevent a short circuit from occurring.
- Do not move fixture along cable while power is on.
- Always test installation. Leave system on for 20 - 30 minutes after installation to perform test.
- KEEP THESE INSTALLATION INSTRUCTIONS.

# SF System

## Installation Instructions

### Single Rail Wall Flush System Installation

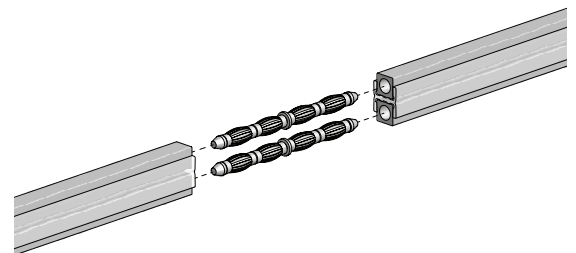
Lay all fixtures and hardware out on the floor prior to installation to ensure all the necessary components are there. Review application plan. Plan should include location of power supply, mounting hardware and fixtures.



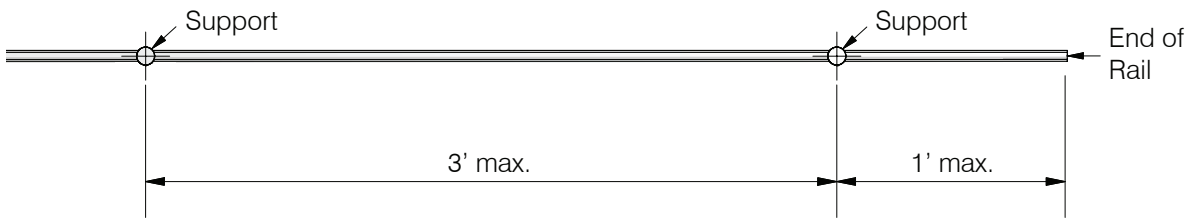
**1** Install power canopy. Refer to *CPY016 SF Power Canopy (Remote Transformer)* instructions.

**2** Assemble rails together with connectors and attach end caps. Join rail sections with matching marks on the ends.

*Note: Ensure the correct connector is used when installing rails with multiple circuits. Rail sections join together with either conductive connectors (JON001-C), used to connect rails on one circuit or isolated connectors (JON001-I), used to isolate rail circuits.*

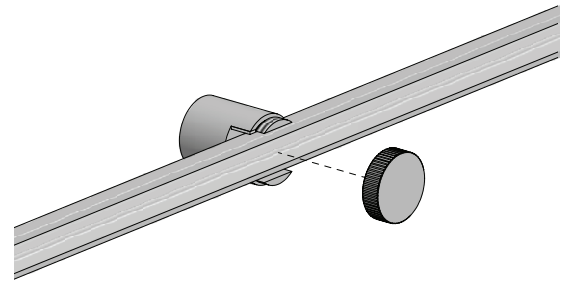


- 3** Install rail supports. Please refer to *SDF016 SF Standoff* instructions for details. Supports should be no more than 1' from rail's ends and evenly spaced to a maximum of 3' apart.



- 4** Raise rail and tighten connections on each support. Ensure power canopy connectors are securely fastened onto rail. For more details see *SF Connector* Installation Instructions.

- 5** Lamp, then position fixtures on rail and tighten connectors.



## Test Installation

When all steps are complete turn power on and run a test. Leave system on for 20 - 30 minutes. Heat indicates a loose connection. Touch all connections on the system to see if any are warmer than your body temperature. If a connection is very warm, turn off system and retighten that connection. Repeat the test.

## System Tips

- Rails are available in 4' or 8' lengths. Single rail straight sections may require field cutting. Factory curved rails with exact dimensions will not require any field cutting.
- Supports should be evenly spaced apart 3' maximum and 1' maximum from the ends of the rail.
- Power canopy (*CPY016*) can function as a support.
- Always use minimum #12 gauge wire (stranded wire preferred) on secondary.
- Consider voltage drop when positioning remote transformers. The length of the rail run will depend on the distance from the transformer and the wattage load. Wire gauge will depend on the distance of remote transformer. 10' away use #10 gauge wire. 15 - 20' away use a #8 gauge wire.
- Low voltage transformers need a minimum 50W load in order to get a voltmeter reading.
- Magnetic transformers should be used with low voltage magnetic dimmers.
- Electronic transformers should be used with low voltage electronic dimmers.