

INSTRUCTIONS: Linear System

Caution:

1. Read all instructions before installing.
2. Switch off power before installing or re-lamping.
3. Do not install within six inches of any curtain or combustible materials.
4. Do not install in damp or wet locations.
5. Do not install concealed, or extended through building walls.
6. Do not attempt to energize anything other than a track light fixture.

Overview:

Linear track lighting has a wide range of applications; first familiarize yourself with the different methods for mounting and powering track.

Track Mounting:

Depending upon the surface, there are 3 basic ways to mount linear track.

1. **Screw Mount:** Place track against surface and note "dimple" markings. Drill 1/16" pilot holes, using the dimples as drill bit centers. Secure track with screws provided.
2. **Drop Ceiling Mount:** Use Linear System T Bar Clips "STBC" for every two feet of track. Hold T Bar Clip against T Bar at a 45 degree angle, then press up and twist on in one motion. Track has pre-drilled holes, or you may drill 1/8" holes through the center as needed. Place track flush against clips so that threads protrude. Fasten track to threads using the plastic nuts supplied. The nuts are slotted for easy screwdriver insertion.
3. **Suspend Track (SCK/SRK/SWB):** Track may be suspended from ceilings using either cable or rod systems. It may be mounted off a wall with rods. Refer to instruction sheet supplied with track carrier.

Powering Track:

The linear system operates on low voltage, either a 12 volt or 24 volt power source which is suitable for exposed bare conductor or class 2 is required. You may choose remote transformers or surface mounts. When powering track from the secondary side of the transformer, do not use less than 12gauge wire. Track is 20 amp rated, 240W maximum @ 12 volts and 480W maximum @ 24 volts. There are several methods of powering the track that depend upon how the track is mounted: such as a floating canopy (SFC/SFC-150E), a surface mounted transformer (SST-150E/60E), etc. However, all start with the installation of a live end connector.

1. **Installing the Live End Connector "SLE":** The two wires coming from the power supply must be 12 AWG. The live end connector can accept wires from either above (such as wires coming from a hole in the ceiling) or from the side. To wire from the side, remove the screw that secures the cover piece of the live end connector. Withdraw the cover and loosen the two screws near the open terminal end (see diagram). Strip off 1/4" of wire insulation and insert each wire into the terminal housing. Open the breakout on the cover piece. Tighten screws to secure wire in position. Re-install the cover piece.
2. **Floating Canopy Electrical Feed "SFC/SFC-150E** Covers a standard junction box and is the starting point for up to four track sections (requires the use a live end connector for each section). Refer to instruction sheet supplied with supplied with floating canopy.
3. **From A Surface Mounted Transformer "SST-150E/60E":** White or Black finish transformer case with on/off switch, used with live end to power individual run. Refer to instruction sheet supplied with transformer.

Track Connectors:

- The cutoff of a run of track should be fitted with an "SEC" end cap by fitting into the end of the track and tighten the screw.

- Use the "SI" straight line connector to join two sections of track. Push fit into both sections of track and secure its position by tightening the screws.
- The "SL" connector joints two tracks section at a 90° angle. Installation is the same as for the "SI" connector above.
- The "SJS" jumper set is used as a bridge in installations that prohibit a continuous run, such as a sloped ceiling. Installation is the same as a "SI" connector. Comes with 12" of jumper wire, which can be shortened by removing one of the covers and exposing the contact screws.

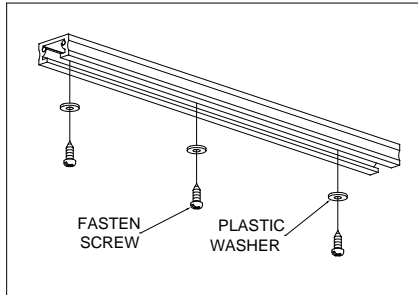


Figure 1. Screw Mount

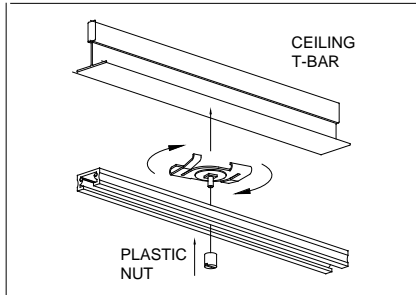


Figure 2. Drop Ceiling Mount

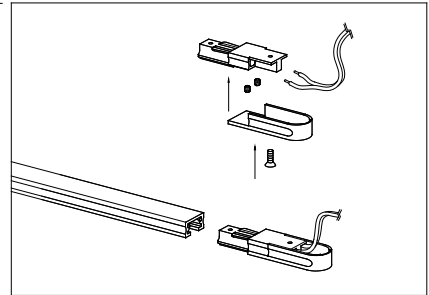


Figure 3. Installing Live End Connector (SLE) - Top Feed.

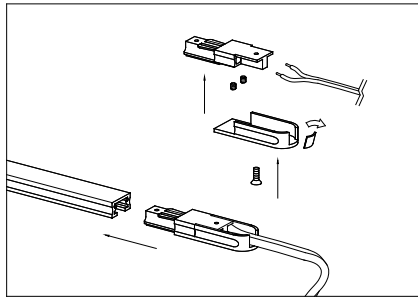


Figure 4. Installing Live End Connector (SLE) - Side Feed.

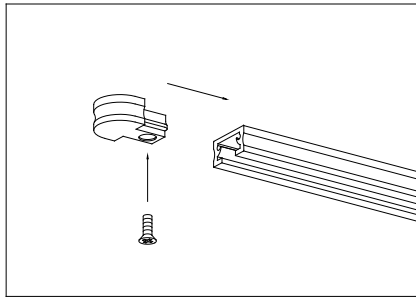


Figure 5. "SEC" End Cap

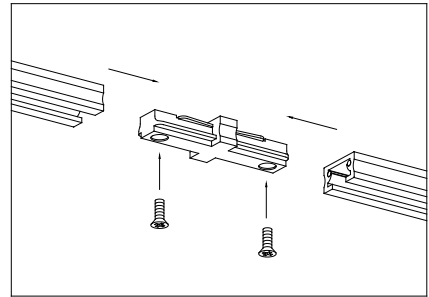


Figure 6. "SI" Straight Line Connector

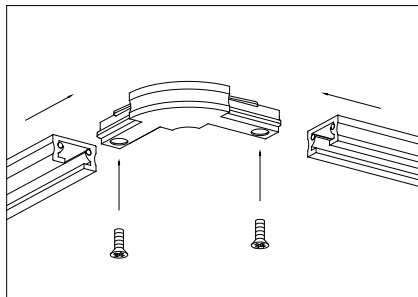


Figure 7. "SL" Connector

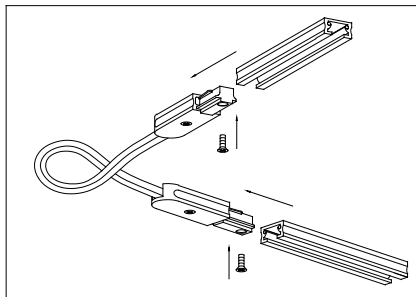


Figure 8. "SJS" Jumper Set