

# INSTALLATION INSTRUCTIONS

**READ ALL OF THESE INSTRUCTIONS BEFORE INSTALLING THE TRACK SYSTEM. SAVE THESE INSTRUCTIONS; REFER TO THEM IF CHANGES TO THE SYSTEM ARE MADE.**

HighLine track is designed to support and power Edison Price Lighting track fixtures prepared for 277-volt service only. It is a two-conductor system, continuously grounded throughout, to be supplied by one 277 volt, 20 amp, branch circuit. HighLine is <sup>®</sup>UL listed.



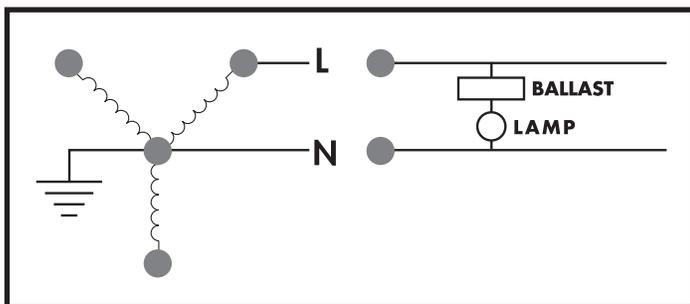
**OBSERVE POLARITY!**  
**WHITE (NEUTRAL) WIRE MUST BE ALONG POLARITY GUIDE NOTCH (NEUTRAL) SIDE OF TRACK. FAILURE TO OBSERVE POLARITY MAY RESULT IN POTENTIAL ELECTRICAL HAZARD.**



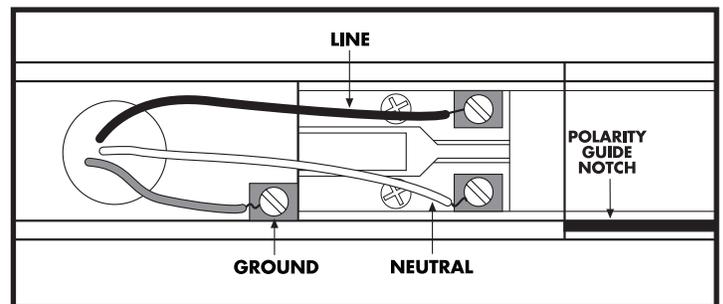
## IMPORTANT SAFETY INSTRUCTIONS

- Read all instructions before attempting installation.
  - HighLine is intended for installation according to the National Electric Code and local or federal code specifications.
  - Do not install in damp or wet locations.
  - Do not install any part of this system less than eight feet above the floor.
  - Do not install HighLine track with its opening facing up without protective inserts available on special order.
  - Do not install any track fixture closer than 6 inches to any curtain or other combustible material.
  - Prevent electric shock; turn off electricity at fuse box or panel before installing the track or changing it.
  - Failure to ground may result in a hazardous condition. Instructions for grounding must be followed throughout.
  - Observe polarity: splice neutral service wire to white lead from HighLine feed.
  - Do not attempt to support or power anything on this track except:
    - Edison Price Lighting track fixtures prepared for 20-amp, 277-volt service, or
    - fixtures by others equipped with an Edison Price Lighting track adapter prepared for 277-volt service.
- No extension cords; no appliances; no other brands of fixtures.

## wiring



HighLine can be wired for one circuit — limited to 277 volts, 20 amps, single phase.



Observe polarity. White (neutral) wire must be along Polarity Guide Notch (neutral) side of track. Failure to observe polarity may result in potential electrical hazard.

**PLEASE SAVE THESE INSTRUCTIONS**

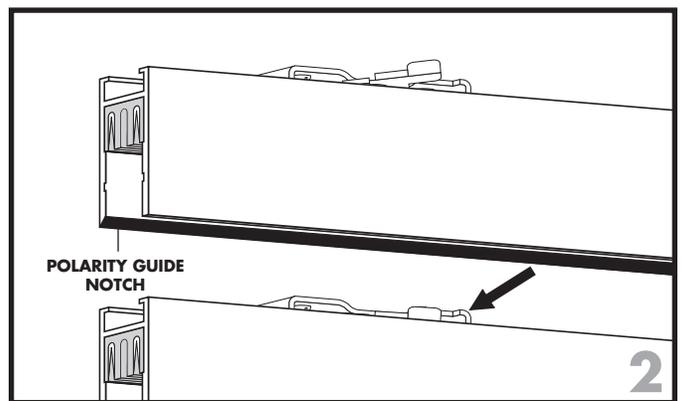
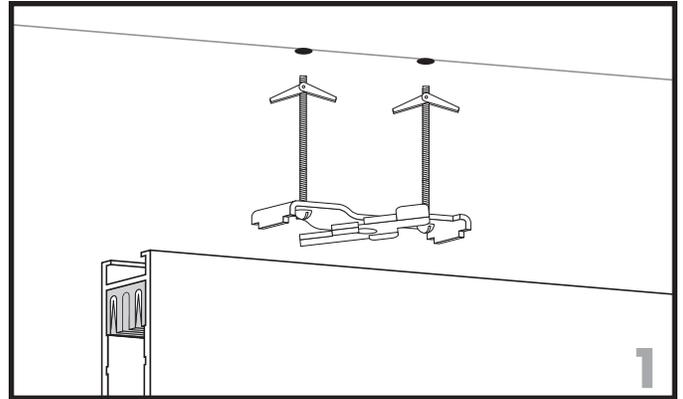
# mounting a single piece of track

1. Attach the **Feed** to the **Track** (see pages 4 through 7). HighLine S feeds include End Feed, In Line Feed, Conduit Feed, L Joint Feed, T Joint Feed and X Joint Feed.
2. Mark on the ceiling the centerline to be followed by the **Track**.
3. Fasten **hangers** to the ceiling along the centerline. Use the **toggle bolts** supplied, or some other suitable fastener. Hangers may be located at 6' intervals but no more than 2' from Track ends. [Fig. 1]

## SHIM AS REQUIRED

The hangers for a length of HighLine S must be mounted at the same elevation (+ or  $-\frac{1}{8}$ " ). If the ceiling is uneven, insert shims as needed between the hangers and the ceiling.

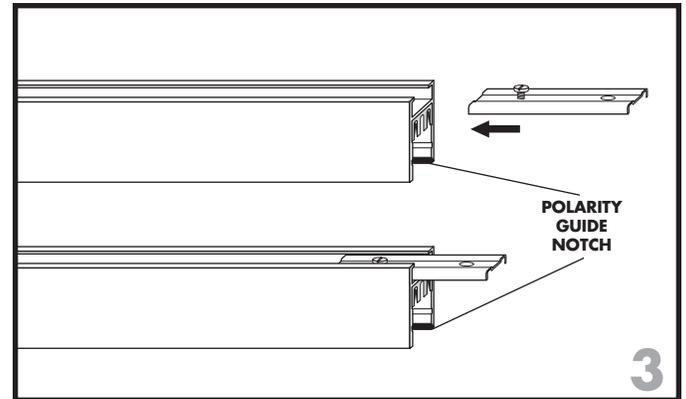
4. Attach the **Track** to the **hangers** by closing the lever on each hanger. The closed lever should come to rest beyond the side of the Track. [Fig. 2]



# splicing and mounting a run of track

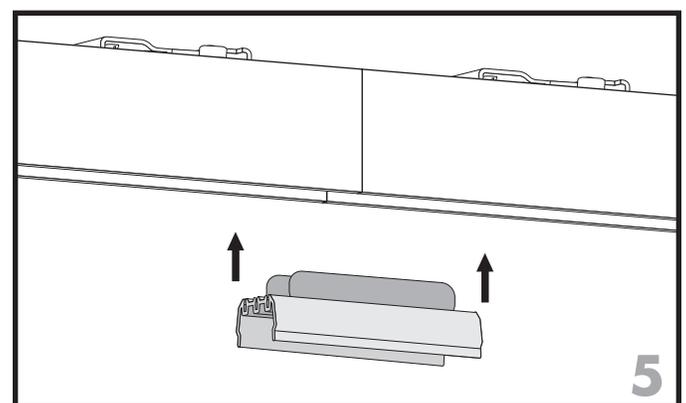
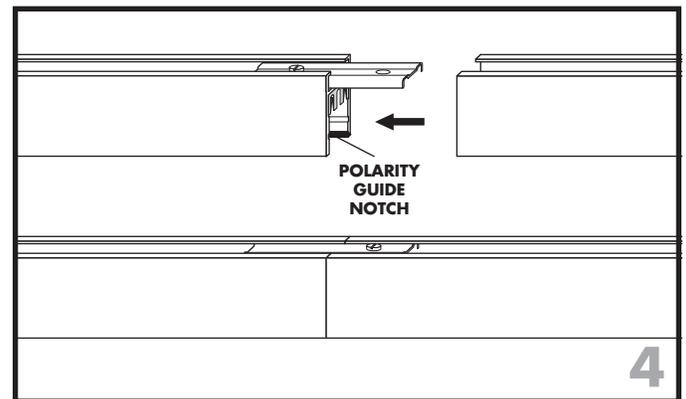
Runs of HighLine S may be fed with an End Feed, In Line Feed, Conduit Feed, L Joint Feed, T Joint Feed and X Joint Feed. A run with an **End Feed** is described here.

1. Remove the **end caps** from all Tracks to be used in the run and save them for future use.
2. Mark on the ceiling the centerline to be followed by the Tracks. Fasten all **hangers** to the ceiling along the centerline. Use the **toggle bolts** supplied or some other suitable fastener. Hangers may be located at 6' intervals (if no splices intervene), but no more than 2' from Track splices or ends. [Fig. 1]
3. Attach the **End Feed** to the first **Track** in the run (see page 4).
4. Take the **splice bar** included with the first Track and slide its screw end into the un-fed end of the first **Track**. Tighten the **screw** to secure the splice bar. [Fig. 3]
5. Attach the first **Track** to its hangers by closing the lever on each **hanger**. Closed levers should be flush with the side of the Track. [Fig. 2]
6. If the run will use more than two Tracks, slide the **splice bar** from the second Track into one end of the second **Track** and tighten the **screw**. [Fig. 3]
7. Slide the open end of the second **Track** onto the **splice bar** protruding from the first Track. Press together until the two Tracks abut neatly. Attach the second Track to its **hangers**. [Fig. 4]
8. Repeat steps 4 through 7 above until all the Tracks in the run are mounted.
9. Insert a **splice assembly** from a **Live Splice** kit into the run at each splice between Tracks. [Fig. 5]
10. Put an **end cap** in the un-fed end of the run. [Fig. 22]



## SHIM AS REQUIRED

The hangers for a length of HighLine S must be mounted at the same elevation (+ or - 1/8"). If the ceiling is uneven, insert shims as needed between the hangers and the ceiling.



# End Feed

HighLine S is usually fed from 4" square or octagonal outlet boxes recessed in the ceiling.

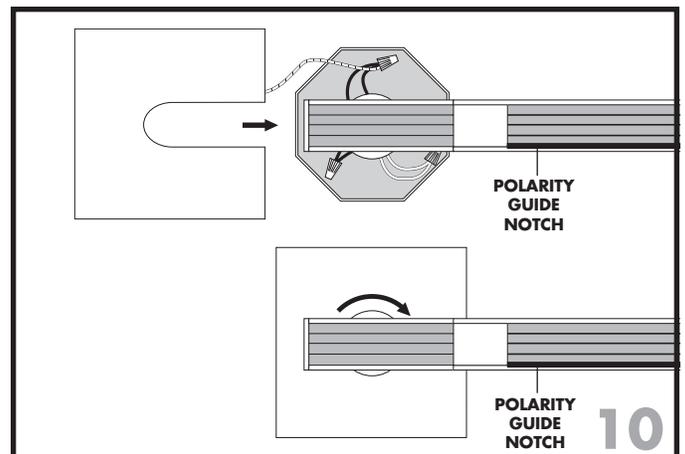
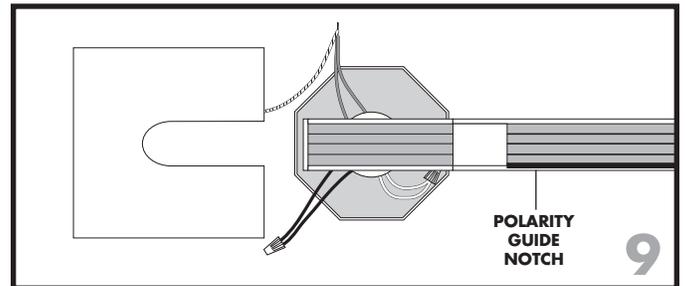
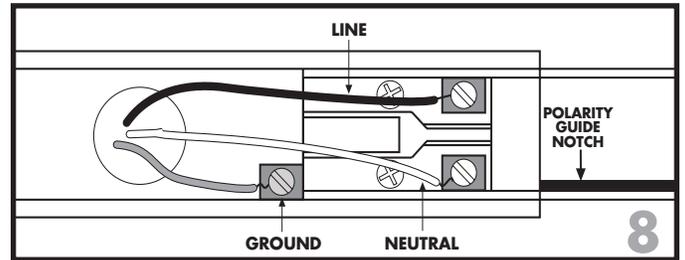
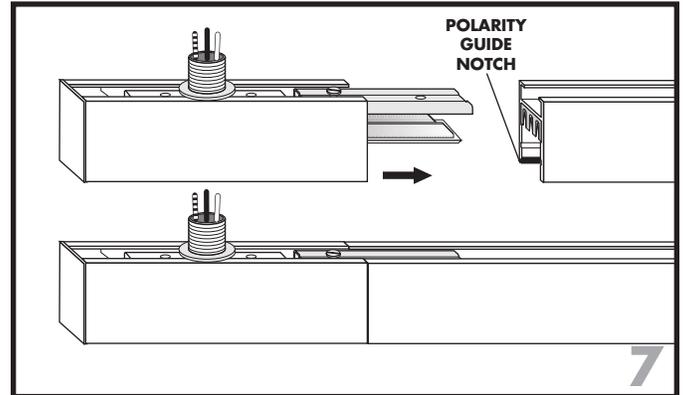
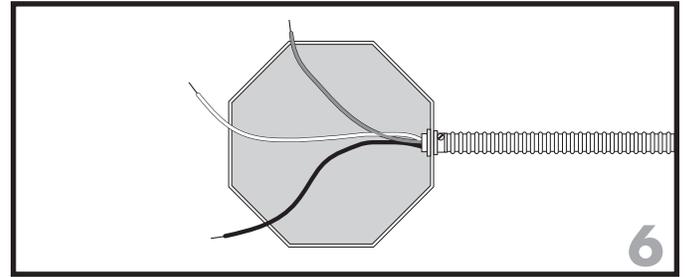
1. Locate the electrical service wires in the box, pull out sufficient lengths and spread them away from the center of the box. [Fig.6]
2. Attach the **End Feed** to the **Track**. Align the two components carefully, then press them together firmly. [Fig. 7]
3. Mount the **Track** to the ceiling (see pages 2 and 3).
4. Splice the End Feed **leads** to the service wires from the outlet box as diagrammed on page 1.



*Observe polarity. White (neutral) wire must be along Polarity Guide Notch (neutral) side of track. Failure to observe polarity may result in potential electrical hazard. [Fig. 8]*

Splice together the ground wires from the **outlet box cover**, the **End Feed** and the service. Secure the splices with wire nuts and fold them into the outlet box around the sides of the End Feed. [Figs. 9 and 10]

5. Close the outlet box by sliding the **outlet box cover** over the threaded nipple. Secure the **outlet box cover** by tightening the **lock nut** upwards against it. [Fig. 10]



# In Line Feed

HighLine S is usually fed from 4" square or octagonal outlet boxes recessed in the ceiling.

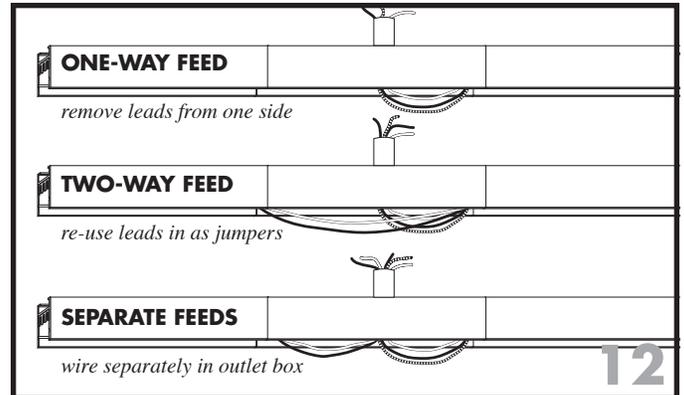
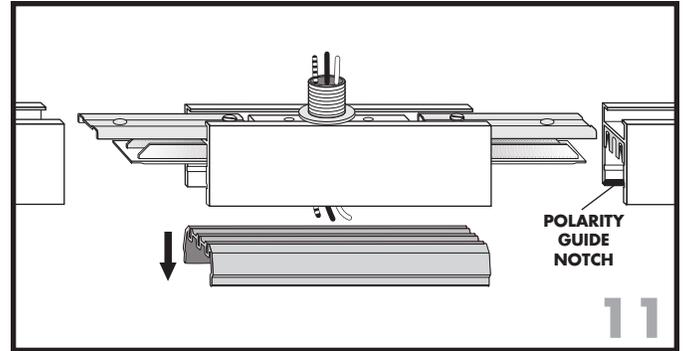
1. Remove the In Line Feed **terminal cover**. [Fig. 11]
2. Prepare the outlet box, attach the **In Line Feed** to a **Track**, and mount it to the ceiling following steps 1 through 3 on page 4. Attach the Feed to a second Track following steps 6 through 8 on page 3.
3. Splice the In Line Feed **leads** to the service wires in the outlet box, as diagrammed on page 1.



*Observe polarity. White (neutral) wire must be along Polarity Guide Notch (neutral) side of track. Failure to observe polarity may result in potential electrical hazard. [Fig. 8]*

*Note: three circuiting plans are possible. [Fig. 12]*

4. Secure the splices with wire nuts and close the outlet box following steps 4 and 5 on page 4. Replace the **terminal cover**.



# Conduit Feed

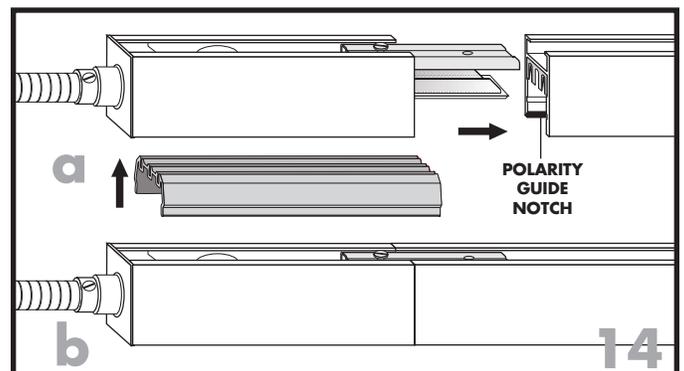
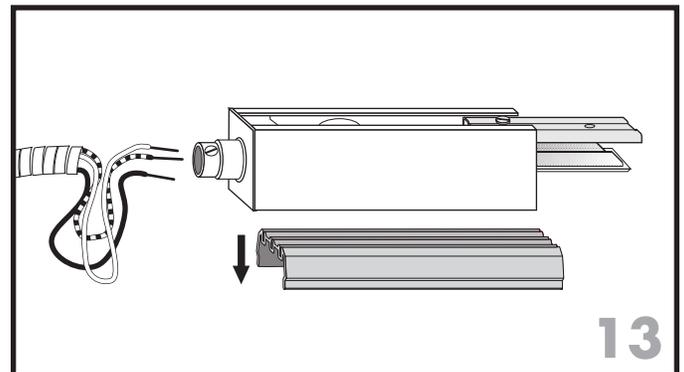
HighLine S can be fed at one end with #12 AWG solid wire within 3/8" armored cable (BX).

1. Leave 4" of wire out of the armored cable and strip off 5/16" lengths of insulation. Slide **terminal cover** out of **Conduit Feed**. Thread wires through end of Conduit Feed. [Fig. 13]
2. The Conduit Feed can be wired as diagrammed on page 1. Slip the stripped wires under the appropriate **terminal screw**.



*Observe polarity. White (neutral) wire must be along Polarity Guide Notch (neutral) side of track. Failure to observe polarity may result in potential electrical hazard. [Fig. 8]*

3. Tighten the **terminal screws**. Insert the end of the armored cable into the connector and tighten. Replace the **terminal cover**. [Fig. 14a]
4. Attach the **Conduit Feed** to the **Track**. Align the two components carefully, then press together firmly [Fig. 14b]. Mount the Track to the ceiling (see page 2 or 3).



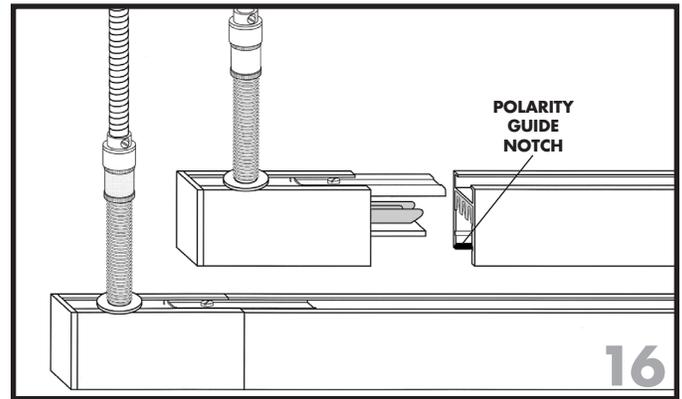
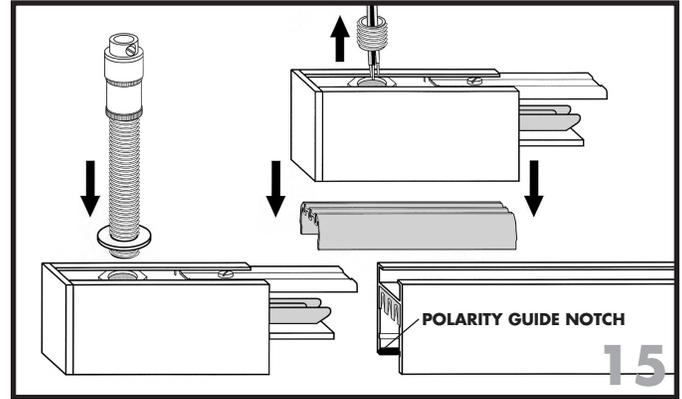
# Boxless Feed

A Boxless Feed may be used to feed HighLine S from above *without* an outlet box, using #12 AWG solid wire. A Boxless Feed may be prepared at an End Feed, In Line Feed or L Joint Feed. Preparation of an **End Feed** is described here.

1. Remove the **terminal cover** and threaded **nipple** from the End Feed. Loosen the **terminal screws** and remove the **leads**. Screw the **Boxless Feed** into the top of the End Feed. [Fig. 15]
2. Strip  $\frac{5}{16}$ " lengths of insulation from the service wires. Thread the stripped wires into the **Boxless Feed** and slip them under the **terminal screws** [Fig. 8] as diagrammed on page 1. Tighten the screws.

 *Observe polarity. White (neutral) wire must be along Polarity Guide Notch (neutral) side of track. Failure to observe polarity may result in potential electrical hazard. [Fig. 8]*

3. Insert the end of the armored cable into the Boxless Feed **connector** and tighten. Attach the **Boxless Feed** to the **Track**. Align the components carefully, then press together firmly. Replace the **terminal cover**. [Fig. 16]



# L Joint Feed

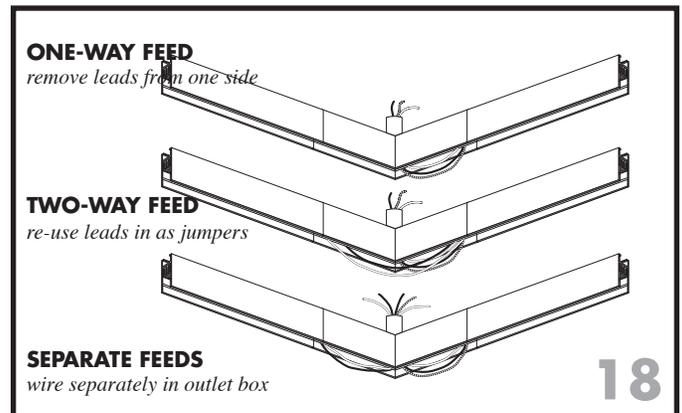
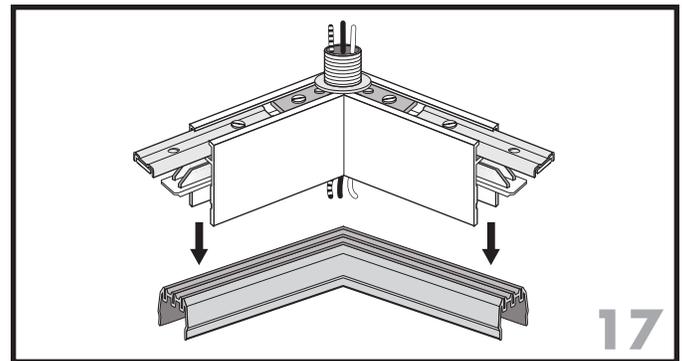
HighLine S is usually fed from 4" square or octagonal outlets boxes recessed in the ceiling.

1. Remove the two **terminal covers**. [Fig. 17]
2. Prepare the outlet box, attach the **L Joint Feed** to a **Track**, and mount it to a ceiling following steps 1 through 3 on page 4. Attach the Feed to a **second Track** following steps 6 though 8 on page 3.
3. Splice the L Joint Feed **leads** to the service wires in the outlet box, as diagrammed on page 1.

 *Observe polarity. White (neutral) wire must be along Polarity Guide Notch (neutral) side of track. Failure to observe polarity may result in potential electrical hazard. [Fig. 8]*

*Note:* Three circuiting plans are possible. [Fig. 18]

4. Secure the splices and close the outlet box following steps 4 and 5 on page 4. Replace the **terminal covers**.

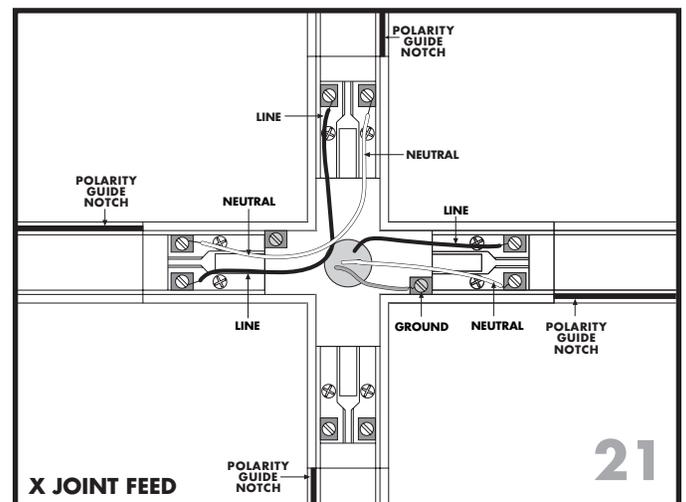
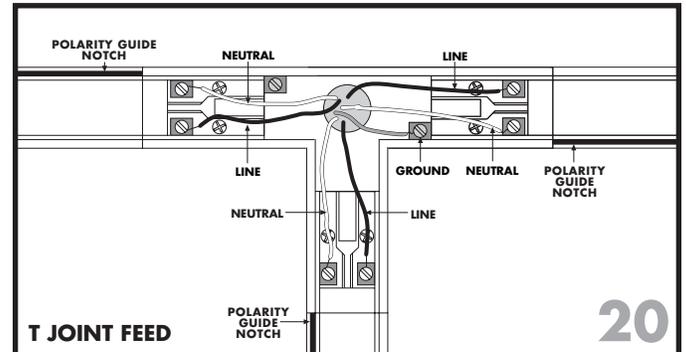
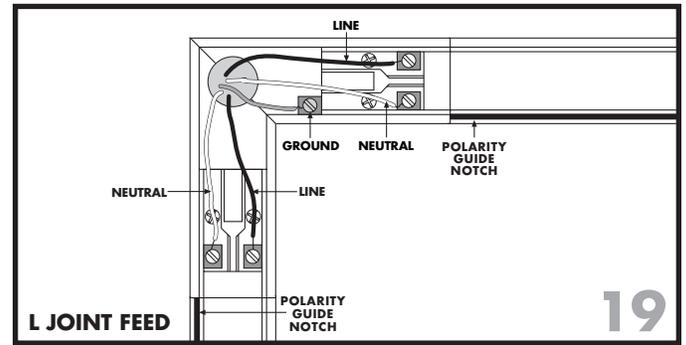


# joints and polarity

L joints, T joints, and X joints may be wired however required by the pattern of track. Three different Joint Feeds with three different wiring plans are shown here [Figs. 19–21]. Note how polarity is maintained in each.



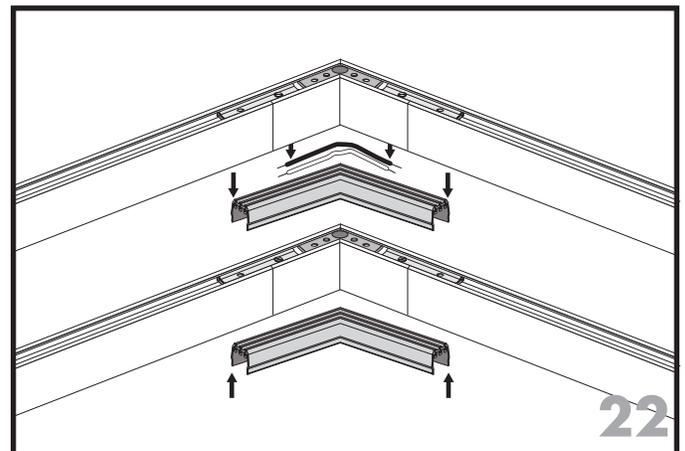
Observe polarity. White (neutral) wire must be along Polarity Guide Notch (neutral) side of track. Failure to observe polarity may result in potential electrical hazard.



## unelectrified joints

L Joints, T Joints and X Joints include jumper wires that join the circuit(s) in adjoining Tracks. Circuits can be separated at Joints as follows. [Fig 22]

1. Remove the **terminal covers** from the Joint.
2. Loosen the **terminal screws** and remove the **jumper wires**.
3. Re-tighten the **terminal screws** and replace the **terminal covers**.

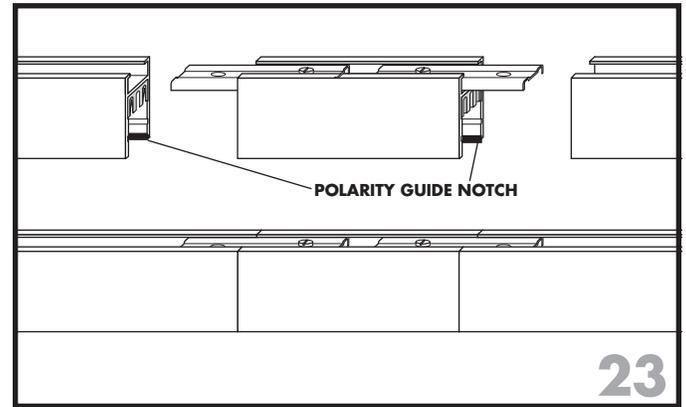


## separating circuits on a run of of track

Use a **Dead Splice** when a run of track is wired with circuits (or sets of circuits) that must be separated along the length of the run.

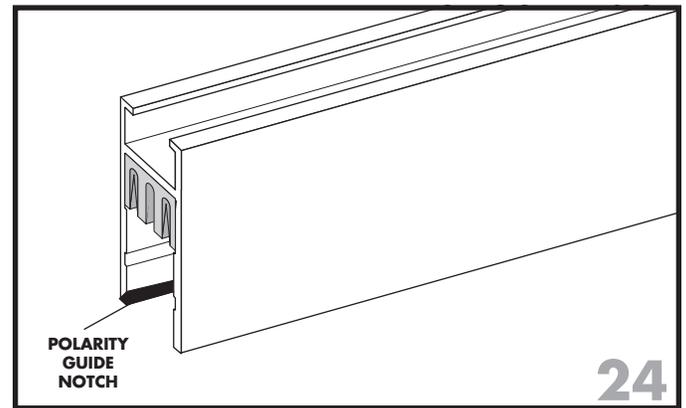
Attach the **Dead Splice** to the first **Track**. Align the two components carefully, then press together firmly. Attach the second Track to the Dead Splice in the same manner. [Fig. 23]

HighLine tracks can be cut in the field with a sharp hacksaw, band saw or radial saw.



## field cutting track

1. Make a single cut through the aluminum extrusion, plastic insulator and copper conductors of the **Track**. Use a miter box or other device to insure a 90° square cut. [Fig. 24]
2. Remove any burrs from the aluminum or copper with a file or deburring tool. Clean the Track by blowing shavings away from the conductors.
3. Take care not to throw away any useful **end caps** with scrap ends of Track.



## End Caps

One **end cap** is shipped installed in each Track.

Place an **end cap** at any un-fed ends of single Tracks or runs of Track. [Fig. 25]

