

INSTALLATION PROCEDURES

Identifying Single-Circuit and Two-Circuit Track

- Check the identification label inside the track. Single-circuit track will be labeled with one of the following part numbers: LT-2, LT-4, LT-6, LT-8 or LT-12. Two-circuit track will be labeled with one of the following part numbers: LT-22, LT-24, LT-26, LT-28 or LT-212.
- If you are unable to see the label, measure the height of the track from top to bottom. Single-circuit track will measure 11/16"; two-circuit track will measure 13/16".
- The track can also be identified by looking inside the channel. Single-circuit track will have two conductors, one on each side of the channel. Two-circuit track will have three conductors, two on top of each other on side of the channel, and one on the opposite side.
- To secure track to ceiling, 2', 4', and 6' track sections are supplied with (2) toggle bolts, 8' and 12' track sections are supplied with (3) toggle bolts. If suspending track from the ceiling, (2) supports are recommended per 2', 4', and 6' track section, (3) supports per 8' and 12' track section.

Single- and Two-Circuit Track Proper Polarity Alignment

- Track polarity is indicated by a grooved polarity line that runs the entire length of the track. (Figure 1)
- Track must be joined together maintaining polarity of the entire track run. When installing a continuous run of track, remove each end cap as it is being connected. Removing all end caps prior to installation may result in improper connections and arcing.
- When installing track end feeds and couplings, the small arrow on the feed or coupling must be inserted into the track pointing at the polarity line. (Figure 2)
- Insert couplings and track feeds fully into track housing maintaining polarity. Tighten set screw at each coupling/feed point.

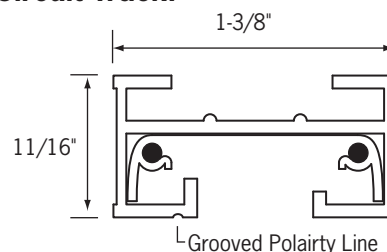
Single- and Two-Circuit Track Cutting Instructions

If track is cut in the field, the following steps must be completed in order for the track to function properly:

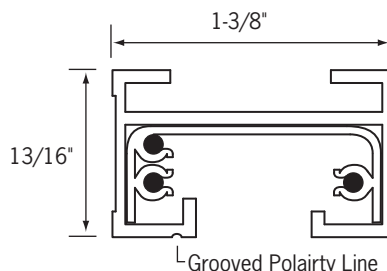
- Aluminum track and plastic insulator must be the same length.
- After cutting track to proper length, all copper conductors must be cut back 3/8" from each end to prevent arcing and allow couplings and power feeds to be inserted completely. (Figure 3)
- Follow all other instructions for installing track once the cuts have been completed. Make sure to continue to follow polarity.

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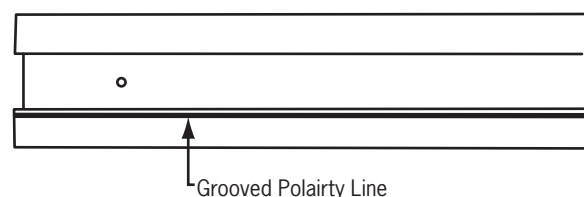
Single-Circuit Track:



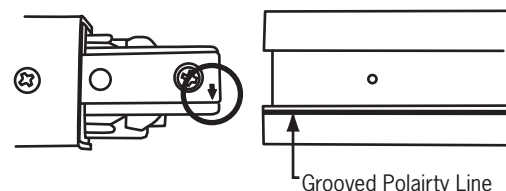
Two-Circuit Track:



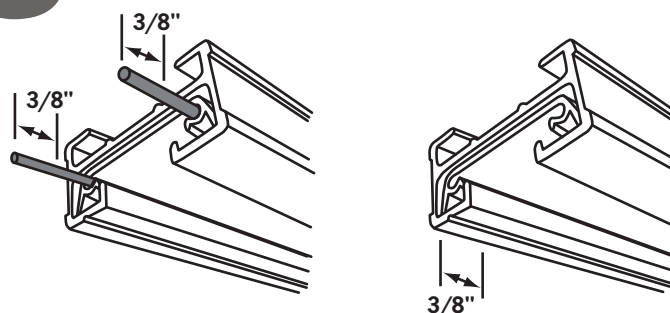
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INSTALLATION PROCEDURES

Single-Circuit Fixture Polarity Alignment

- Track polarity is indicated by a grooved polarity line that runs the entire length of the track.
- All fixtures have indicator arrows designed to point to the track polarity line.
- To install (Figure 4):
 - A. Insert the fixture contacts into the track channel.
 - B. Retract the track latch by gently pulling down.
 - C. Rotate the adapter 90° so that the polarity arrow points to the polarity line on the track.
- When the fixture is installed, the track latch will lock the fixture into the track. NOTE: All latches should face the same direction after installation.
- Once the fixture is installed into the track, move the ON/OFF switch to the ON position.

Two-Circuit Fixture Polarity Alignment

All Con-Tech track fixtures have two contacts in the base that engage conductors within the track; one for neutral and the other for the positive (live) conductor. Dual circuit tracks contain one neutral and two positive conductors.

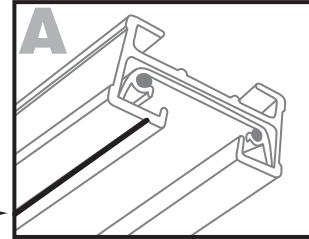
- To engage the second live conductor (Figure 5):
 - A. Identify the "POSITIVE" connections on the lighting fixture base, marked "P".
 - B. To access the second circuit, pull up the connector marked "P" to the position shown.
 - C. Slide the plastic shim (shipped with track) beneath the connector, locking the tabs in place.
- Follow fixture installation instructions for Single-Circuit Fixtures.

IMPORTANT SAFETY INSTRUCTIONS:

- Read all the instructions before installation. Save instructions for later use.
- Turn off power at fuse or circuit breaker box before installation or before doing any maintenance work.
- Wear rubber soled shoes and work on a sturdy wooden or non-conductive ladder.
- Product must be mounted in locations and at heights in a manner consistent with its intended use, and in compliance with National Electrical Code and local building codes. For indoor use only.
- Do not exceed the nominal supply voltage or amperage ratings.
- Do not install any lampholder closer than 6" from any curtain or similar combustible material.
- Installing contrary to instructions may cause unsafe conditions.
- **Warning:** Risk of fire. Most dwellings built before 1985 have supply wire rated at 60°C. Consult a qualified electrician before installation.
- **CAUTION:** To reduce the risk of fire and electrical shock, use only fixtures and fittings intended for use with the Con-Tech single circuit or 2-circuit, 120v systems.
- The track and all components are rated for 120V, 20A capacity. (2400W max at 120V)
- Do not exceed the nominal supply voltage or amperage rating.
- To avoid hazards to children, account for all parts and properly dispose of all packing materials.
- Call the Technical Support department at Con-Tech Lighting with any installation questions: 847.559.5500.

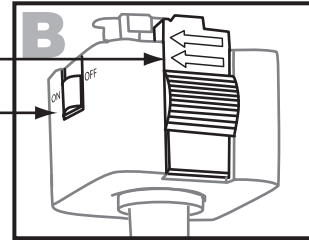
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Polarity Line



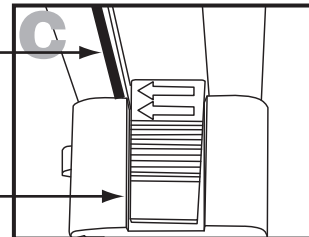
Track Latch with Polarity Arrows

Switch



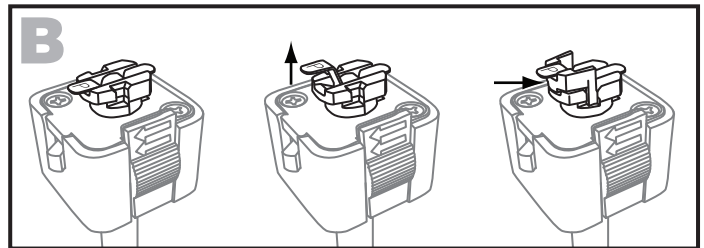
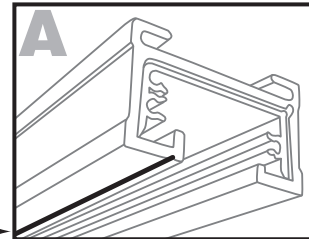
Polarity Line

Track Latch with Polarity Arrows



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Polarity Line



Polarity Line

Track Latch with Polarity Arrows

