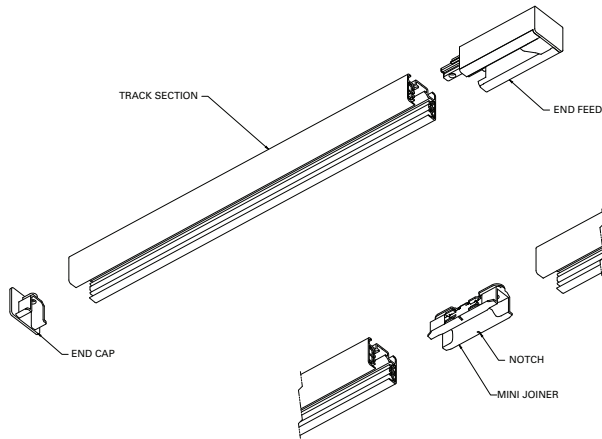


SURFACE POWERTrack • INSTALLATION INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS - For use with POWERTrack System Only

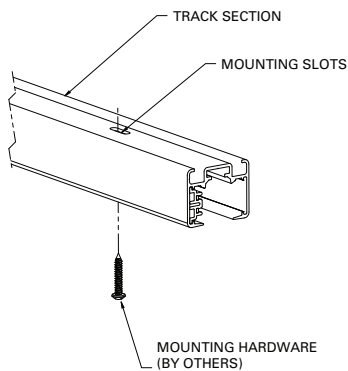
When installing or using this track system, basic safety precautions should always be followed, including the following: **Read all instructions.** Do not install this track in damp or wet locations. Do not install any part of the track system less than five feet from floor. Do not install any fixture assembly closer than six inches from any curtain or similar combustible material. Disconnect electrical power before adding to or changing the configuration of the track. Check with a qualified electrician. Do not attempt to energize anything other than lighting track fixtures on the track. To reduce the risk of fire and electric shock, do not attempt to connect power tools, extension cords, appliances and the like to the track. Do not connect a track to more than one branch circuit unless the track is constructed so it can be used with more than one branch circuit. Check with a qualified electrician. Although the track lighting system may seem to operate acceptably, a dangerous overload of the neutral may occur and result in a risk of fire. Install per NEC and local codes. **SAVE THESE INSTRUCTIONS**



Assembling

Insert End Cap, End Feed or any other Joiner/Feeder completely into Track Section and tighten the recessed Phillips head screw. Do not use excessive force when inserting components into Track Section.

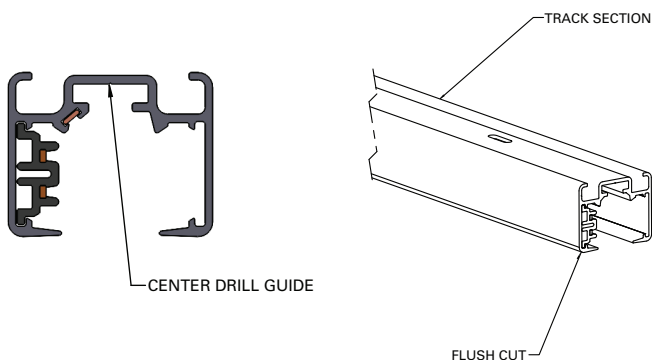
Note: Insert Mini Joiner into track up to centering notch.



Mounting

Fasten track directly to surface through pre-punched mounting slots with hardware (by others) capable of withstanding a 50 lb. pull. Mount track in compliance with NEC Lighting Track Article #410-101 (Installation), #410-104 (Fastening) and any other applicable codes. To prevent distortion of the track opening which may prevent insertion of fixture fittings, do not over tighten mounting screws. LSI recommends a minimum of two mounting points per section of track. LSI POWERTrack can be mounted on centers up to 6'-0".

LSI POWERTrack can also be mounted by surface hanger clips, stems, or cables on centers up to 6' 0". LSI recommends a minimum of two mounting points per section of track. Pendant mounted track intended to be installed by stems only are not to be mounted by cable.



Field Cutting

LSI POWERTrack can be easily field cut using a sharp hacksaw or a chop saw with a blade for non-ferrous metals, such as Oldham commercial carbide series metal blade. Together, cut the aluminum track, track liner, and copper with one straight cut. All pieces must be exactly the same length. Be sure to remove any burrs on the aluminum or the copper as this may affect the electrical and mechanical interconnection of components to track. Do not cut track to less than one foot in length.


LSI POWERTrack can easily be field drilled by using the drill guide and a 3/16" drill bit. Be sure to remove any burrs after drilling. A single section of track that is 4 feet (1.22 m) or less in length is to be provided with one mounting opening spaced a maximum of 6 inches (152.4 mm) from each end of a track section. Additional openings may be provided. A single section of track that is greater than 4 feet (1.22 m) in length is to be provided with a mounting opening spaced a maximum of 12 inches (300 mm) from each end of the track section with additional openings being provided a minimum of every 6 feet (1.83 m) along the length of the track section.

SURFACE POWERTrack • INSTALLATION

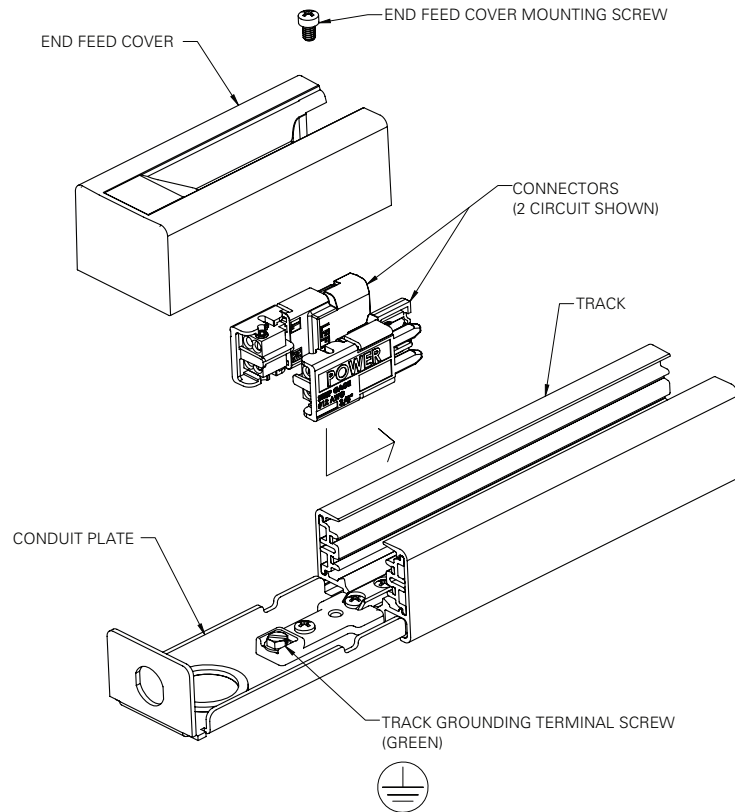
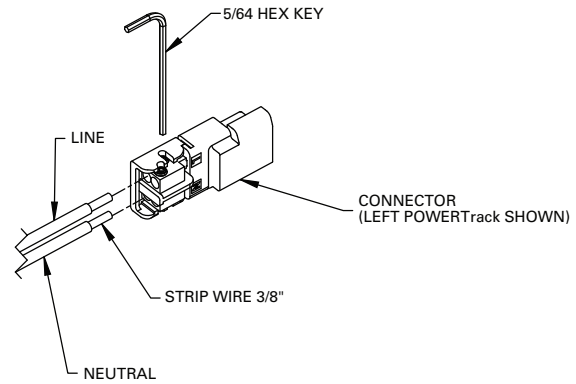
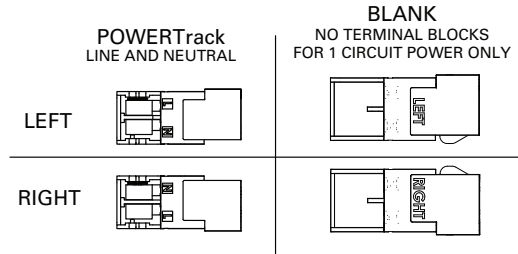
Electrical

Remove the Lexan™ cover from any End Feed or Joiner/Feeder, bring wires through the combination 1/2, 3/4 U.S. trade size knock-out (.875 diameter [22mm], 1.125 diameter, [29mm]) in conduit plate and attach conductors to identified terminals on connectors. Joiner/Feeders can be electrically field modified by switching connector location. #12 THHN wire for Power and #18 THHN wire for data is the suggested size of wire.

L = Line
N = Neutral

 = Ground

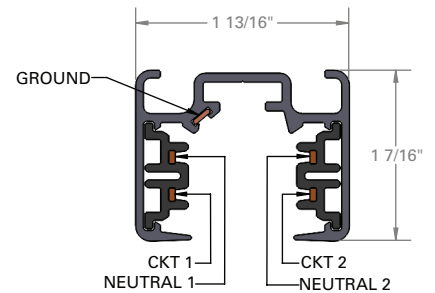
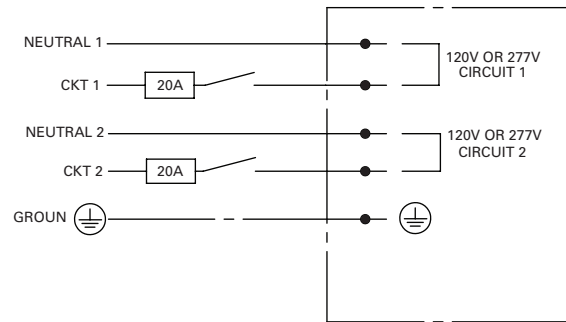
NOTE:
ALL SUPPLIED CONNECTORS MUST BE INSTALLED EVEN IF NOT BEING WIRED.
FOR 1 CIRCUIT A BLANK CONNECTOR MUST BE INSTALLED ON THE SIDE OF THE TRACK WITHOUT A TRACK LINER/BUSBARS.



SURFACE POWERTrack • INSTALLATION

Supply Connection Wiring Diagram

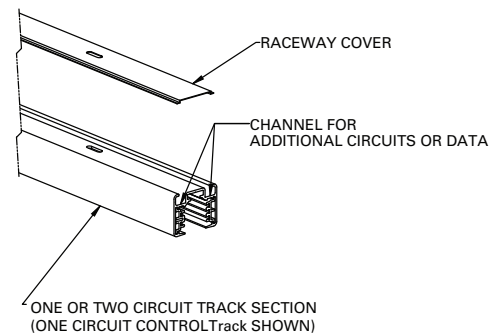
Voltage = Single Phase 120V or 277V AC
 Maximum Current = 20A per circuit Supply
 Cable = 5 x 12 Gage THHN wire
 CAUTION: Data MAX 30V, 2A



Additional Circuits

LSI Track has integral wiring channels for four additional #12 THHN wires to create two additional 20 amp circuits with separate neutrals or extra data wires. Place conductors in wiring channels and slide raceway covers into track prior to mounting.

DO NOT install power and data wires in the same raceway channel.



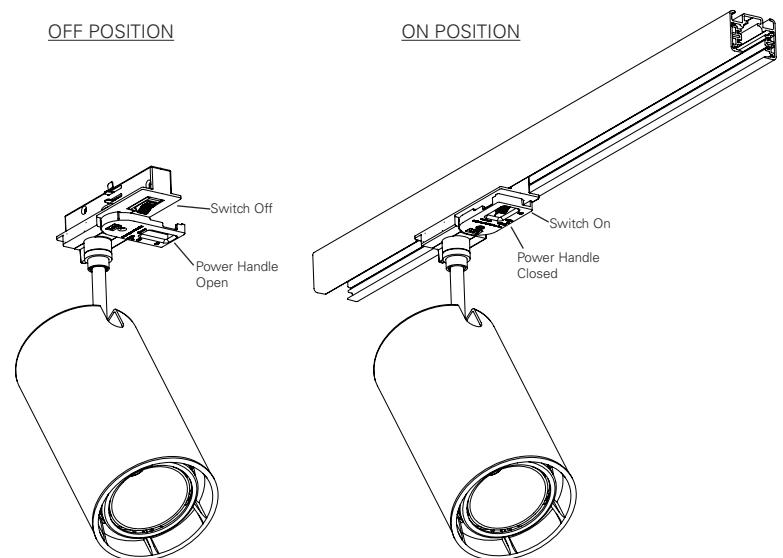
Installing LSI Fixtures

LSI POWERTrack is only to be used with LSI electrical fittings listed below:

- 00
- 0E

To insert a fixture fitting into the track, the switch must be in the "off" position, with the power handle open. Insert the fixture fitting straight up into the track until it seats evenly, close handle completely, switch on.

If using one circuit track, make sure that the brass contacts which protrude from the side of the fixture fittings are inserted facing the copper busbars. If using two circuit track, inserting the fixture fitting in one direction will connect to circuit one. Removing and reversing the direction of the fitting will connect to circuit two.



SURFACE TRACK (120/250V) • SPECIFICATIONS

Diagrams apply to 1 and 2 Circuit

Left End Feed
TRK-SP-EF1L-YYYY



Straight Joiner/Feeder
TRK-SP-SJ1-YYYY



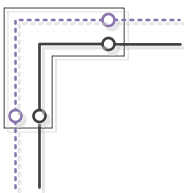
Right End Feed
TRK-SP-EF1R-YYYY



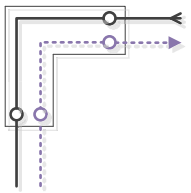
—○— CIRCUIT 1
- - -○- - - CIRCUIT 2

NOTE:
ALL DIAGRAMS SHOWN
ARE INSTALLED VIEW, NOT
RCP. EXCEPT AS NOTED,
ALL MODIFICATIONS CAN
BE DONE SIMPLY AND
QUICKLY ON THE JOB BY
REARRANGING THE
SUPPLIED CONNECTORS.

L Joiner/Feeder
TRK-SP-LJ1-YYYY

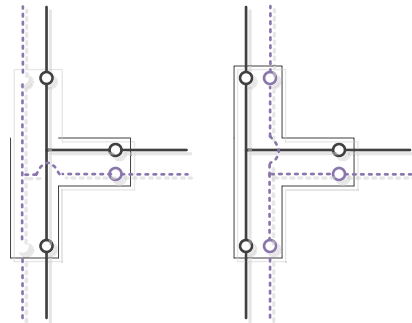


FACTORY WIRING



ALTERNATE FIELD WIRING

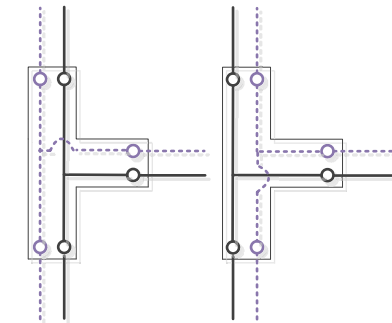
T Joiner/Feeder, LEFT
TRK-SP-TJ1L-YYYY



FACTORY WIRING

ALTERNATE FIELD WIRING

T Joiner/Feeder, RIGHT
TRK-SP-TJ1R-YYYY

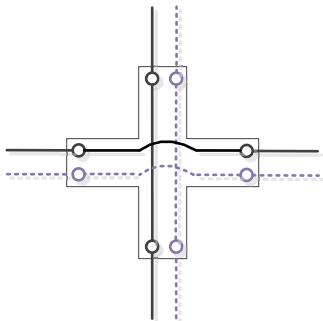


FACTORY WIRING

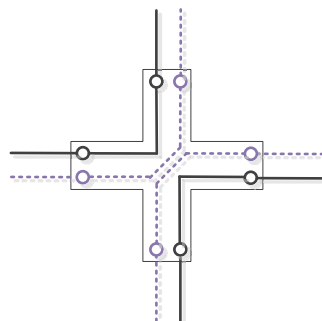
ALTERNATE FIELD WIRING

NOTE:
ALL JOINER/FEEDERS CAN
BE FIELD MODIFIED TO
SUIT INSTALLED
REQUIREMENTS FOR
MULTIPLE POWER CIRCUIT
AND DIMMING ZONES.
CONSULT FACTORY FOR
MORE DETAILS.

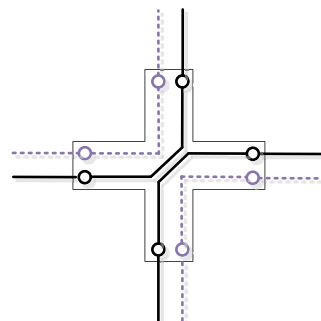
X Joiner/Feeder
TRK-SP-XJ1-YYYY



FACTORY WIRING



ALTERNATE FIELD WIRING



ALTERNATE FIELD WIRING

