

# Instruction Sheet

## Pro-Series Two-Circuit / Two Neutral Luminaire Installation

IS-T1003R6

1 of 4

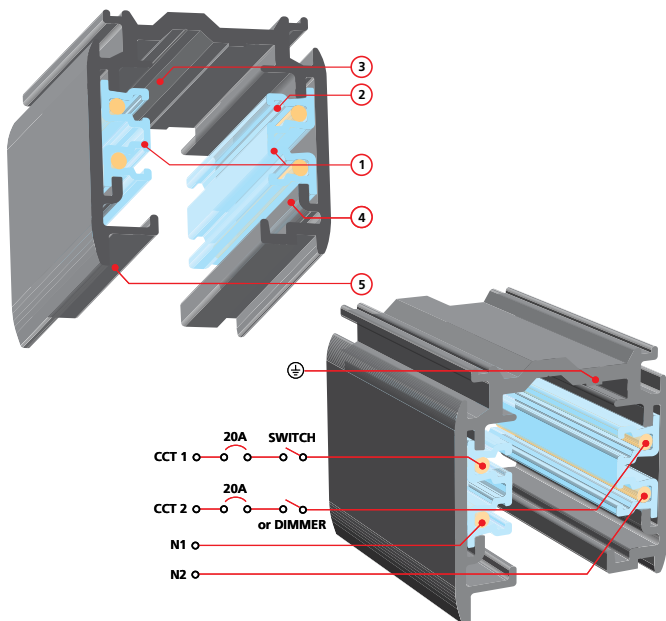
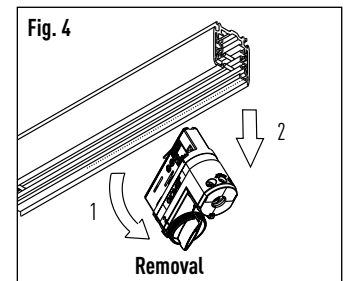
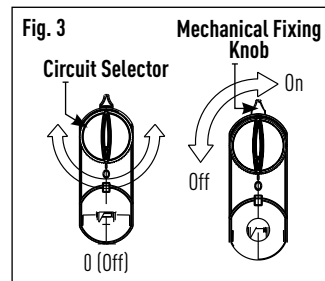
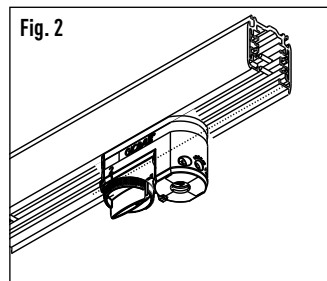
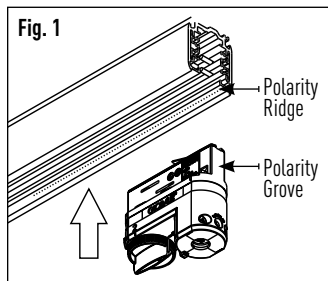
### IMPORTANT SAFETY INSTRUCTIONS

- Read all installation instructions before installing. It is important to save these instructions.
- The Pro-Series track system is intended for use with only Pro-Series Track Components and fixtures marked for use with Pro-Series track system. To reduce risk of fire and electric shock, do not use other components as part of this system.
- The Pro-Series track system is designed to be fed by two branch circuits. The system is a two-circuit/two-neutral track and care must be taken to keep circuits designated as circuit1 and circuit2 separate.
- Observe and follow all label information and instructions regarding dry, damp and wet location listings, proper lamp type and wattage, warnings of installation near combustible materials and/or insulation.
- Turn off power at circuit breaker before attempting to install or perform maintenance on the fixtures.
- Wear rubber-soled shoes and work on a sturdy wooden ladder.
- The product must be installed in a manner consistent with the intended use and in compliance with the national electrical codes and local codes.
- Ground fixture to avoid potential electrical shock.
- Do not install any fixture assembly closer than 6 inches from any curtain, or similar combustible material and less than 8 feet above the floor.
- Do not use this track with a power supply cord or convenience receptacle adapter.
- Do not attempt to energize anything other than lighting track fixtures on the track. To reduce the risk of fire and electrical shock, do not attempt to connect power tools, extension cords, and appliance to the track.
- Do not use any lubricates, solvents, or cleaning solutions as they may impair the strength of the products.
- Do not slide the adapter on the track.
- **WARNING:** Lamp may be hot, allow lamp to cool before attempting to replace lamp (Do not use bar hand to replace lamp in fixture).
- Fluorescent and HID lamps contain a small amount of mercury as indicated by the **Hg** mark. Follow disposal laws. See [www.lamprecycle.org](http://www.lamprecycle.org). (LED fixtures do not contain mercury).
- **WARNING: RISK OF FIRE.** Minimum of 90°C supply conductors. Consult a qualified electrician before installation.

**WARNING:** Fixtures can only be mounted vertically and are not to be mounted horizontally.

### INSTALLATION INSTRUCTIONS

1. The fixture adapter is inserted with the polarity groove towards to the polarity ridge on the track.
2. Push adapter into the track till it snaps into place.
3. Turn the mechanical fixing knob clockwise.
4. Select the desired circuit with the circuit selector knob (1-0-2).
5. To remove the adapter from the track, select 0-position (off) before turning the mechanical fixing knob counterclockwise. Pull first from the fixing knob end.



#### 1. INDEPENDENT NEUTRAL

Enable greater power capacity (2x20A). Dimming capability to dim on two independent circuits with out harmonics or interference on the neutral conductor.

#### 2. OVERSIZED CONDUCTORS

For higher operation safety and reduced overload potential.

#### 3. SECURE BUS BAR INSULATION

Firmly crimped insulation secures both conductors and insulation for the life of the product.

#### 4. SEPARATE MECHANICAL SUSPENSION

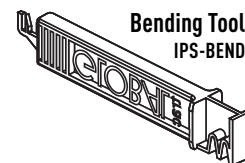
Points Provides superior weight bearing capacity; ensures electrical contact integrity and reduce likelihood of arcing.

#### 5. POLARITY RIDGE

Takes the guesswork out of connector and track alignment during installation.

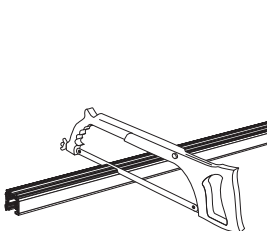
### FIELD CUTTING OF TRACK LENGTH

The standard length of track is supplied with the conductor ends factory bent to allow for proper connection of fittings. However, the track can easily be field cut to different lengths with a hacksaw or a circular saw intended for cutting aluminum. After cutting, the conductor ends must be bent in the field with the IPS-BEND bending tool.



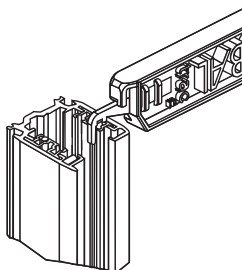
#### STEP 1:

Carefully cut the track to length using a hacksaw or other metal saw. Ensure that the cut is clean and straight.



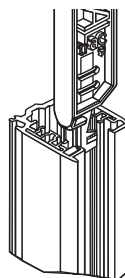
#### STEP 2:

Insert the bending tool so that the track conductor fits in the outermost slot at the tip of the bending tool.



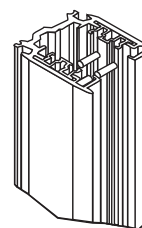
#### STEP 3:

Rotate the bending tool 90 degrees upward, repeat steps 2 and 3 for all four conductors.



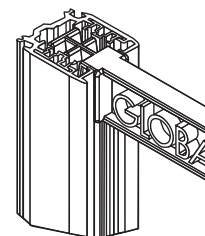
#### STEP 4:

Bent conductors should look similar to the factory finished ends, as shown.



#### STEP 5:

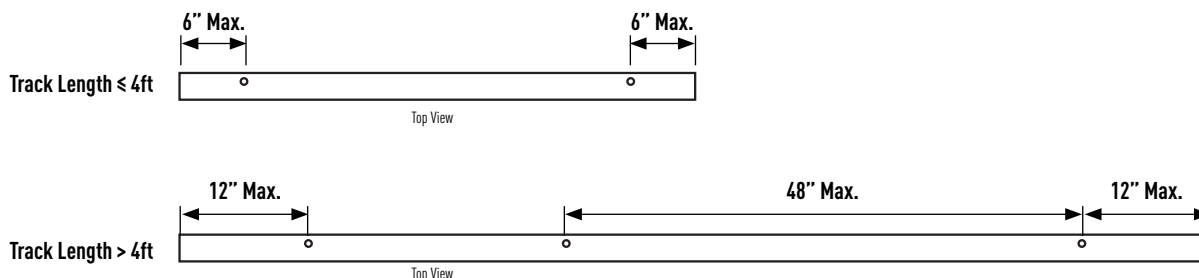
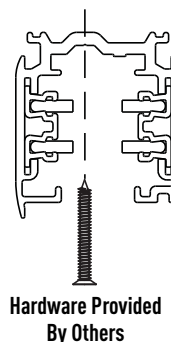
Confirm correct bending by inserting the opposite end of the tool in the end of the track.



### FIELD DRILLING OF MOUNTING HOLES

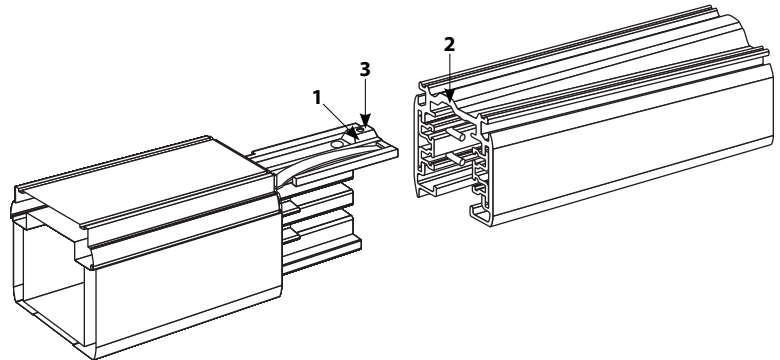
If track is field cut, it may become necessary to drill new mounting holes. If so, use one of the cut-off pieces with existing mounting hole as a template for new hole to be drilled. The drill bit should be no longer than 1/4 inch in diameter. The hole should be centered in the groove in the bottom of the track. Remove burrs after drilling. Hole location should be in accordance with the note below.

**NOTE:** A single section of the track that is 4 feet or less in length must have one mounting opening spaced **maximum of 6 inches** from each end of the track section. Additional openings may be provided. A single section of the track that is greater than 4 feet in length is to be provided with mounting openings spaced a maximum of 12 inches from each end of the track section with additional openings provided a minimum of every 4 feet along the length of the track section.



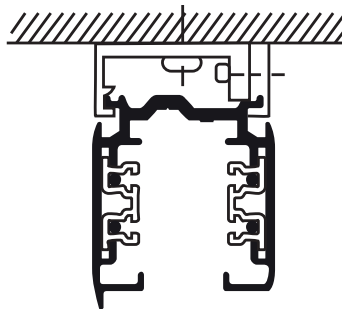
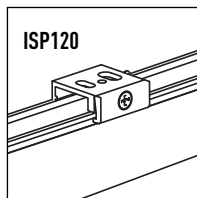
## INSTALLING FEED CONNECTORS

1. Feed connector can only be installed in the track in one direction.
2. Align the guide lug of the connector (1) with the groove on the track (2).
3. Insert connector in track and tighten the lock screw (3).
4. Install a dead end accessory for every open end of the track.



## SURFACE MOUNTING

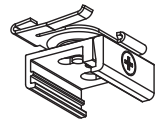
1. Using appropriate hardware, secure clamp on ceiling.
2. Loosen the set screw on the side of the clamp and insert the track.
3. Tighten the set screw while holding the track in place.



## T-BAR MOUNTING

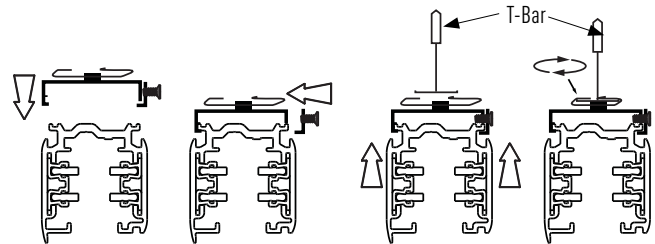
### IPS120RT

T-bar ceiling clamp 15/16" T-Bar grid only (ordered separately)



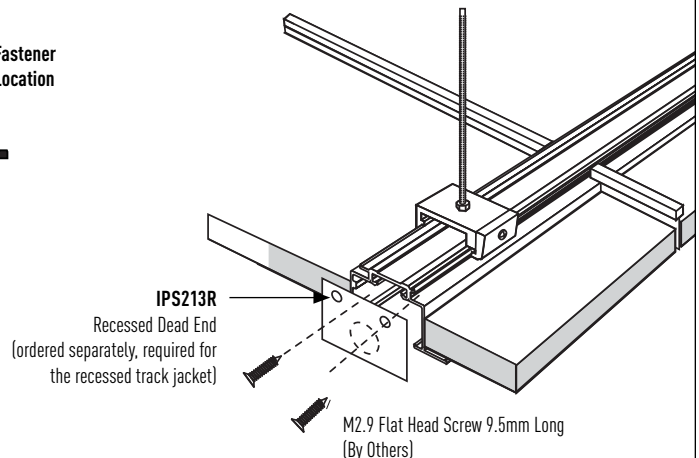
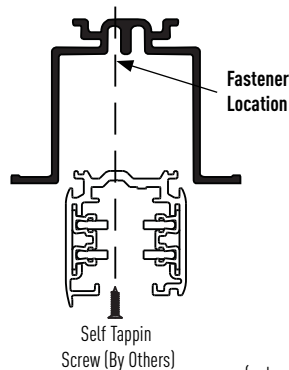
### IPS120T

Recessed T-Bar ceiling clamp tegular tile, 15/16" t-bar grid only (ordered separately)



## SURFACE MOUNTING WITH RECESSED TRACK JACKET

- Live connectors (L, T, X and adjustable) are not compatible with the recessed track jacket.
- The recessed track jacket requires at least one recessed end cap accessory.
- The surface mount track section installed with the recessed track jacket
- Requires a live end or live connector and dead end accessory.

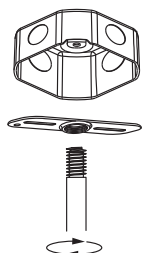


### STEM MOUNT

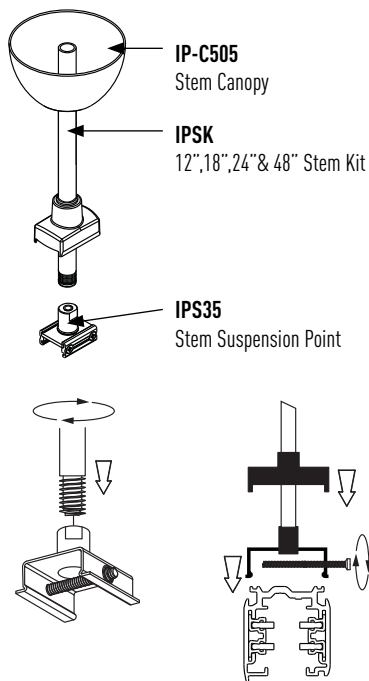
#### WARNING

Stem/canopy assembly can be securely mounted at maximum intervals of 8ft, and must be mounted in accordance with all applicable codes and standards.

Feed is to be provided  
Via conduit (provided  
By others).



Stem bracket & ceiling  
fasteners provided by others.



### CABLE/THEADED ROD MOUNTING

