

# SMART TRACK LIGHTING APPLICATION GUIDE























































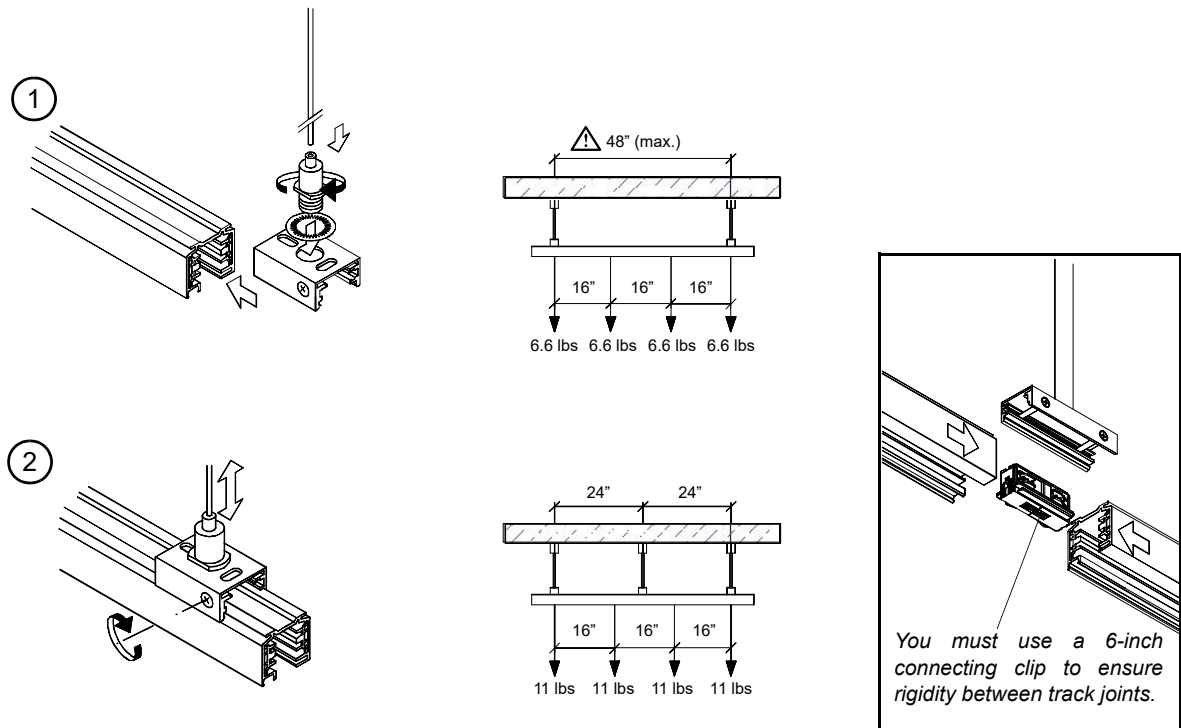






**Track-to-Track Connections**

When making track-to-track connections using pendant-style or aircraft cable mounting methods, a Pendant Clip (refer to "[Smart Track Accessories](#)" on page 8 for available clips) must be used between track joints as illustrated in **Figure 7**.



**Figure 7: Pendant Clips for Track-to-Track Connections**

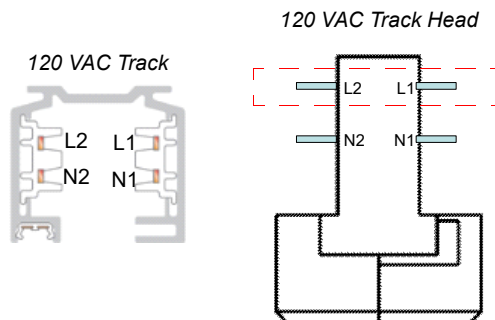
**Power Wiring**

120 VAC Smart Track can be wired with two different circuits (two hots and two neutrals) allowing for added power flexibility. 230 VAC is wired with three hots and a shared neutral.

Refer to the information and warnings outlined in "[Important Information](#)" on page 2 and "[General Product Information](#)" on page 15.

**120 VAC Wiring**

120VAC power wiring is very straightforward. Two 20 Amp, 120 VAC circuit and they neutrals can reside on the same track. Fixture track heads are designed to select one or the other circuit by simply turning the fixture selection knob located on the track head. See **Figure 8** and **Figure 9** on page 29



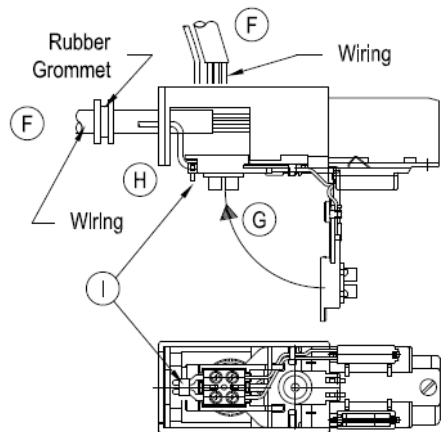
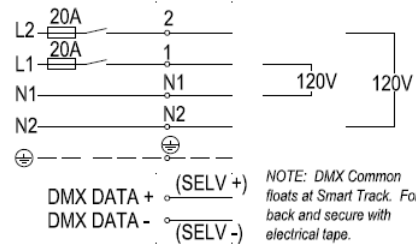
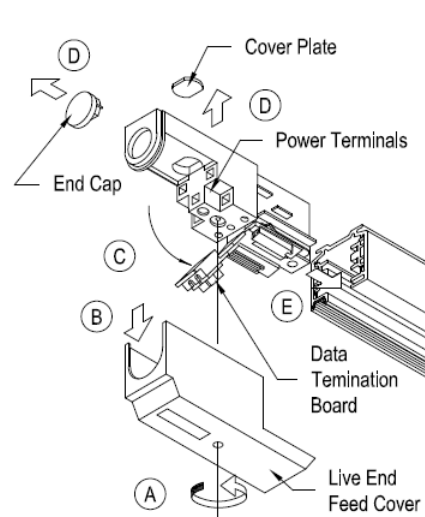
**Figure 8: 120 VAC Track Power**

## Wiring 120VAC System

ASL-99802\*: Live End with Ground Contact Right

ASL-99803\*: Live End with Ground Contact Left

- (A) Remove Live Feed End cover by turning screw counter clockwise and removing.
- (B) Carefully remove Live End Feed End Cover
- (C) Gently swing Data Termination board down to access power Feed Terminations.
- (D) Select Entry for power & data wiring into Feed End via removable *end cap* or top *cover plate*. Remove burrs.
  - a. From the Top: Snap off top cover plate.
  - b. From the Slide: Remove end cap and replace with rubber grommet
- (E) Connect Live End Feed and Smart Track section by aligning groves in the track with the flange on the Live End Feed. Push Track Section and Live End Feed together.
- (F) Route power & data wiring Into Live End Feed via top or slide. Terminate power feed on terminals provided.



- (G) Gently Swing Data Termination board back into place and snap into keepers provided.
- (H) Terminate data wiring on terminals provided.
- (I) Secure Data Termination Board and data cable with a small cable tie.
- (J) Carefully replace Live End Feed cover and secure with screw. Turn screw clockwise to lock cover in place.
- (K) Tighten set screw clockwise to secure track to Live End Feed.

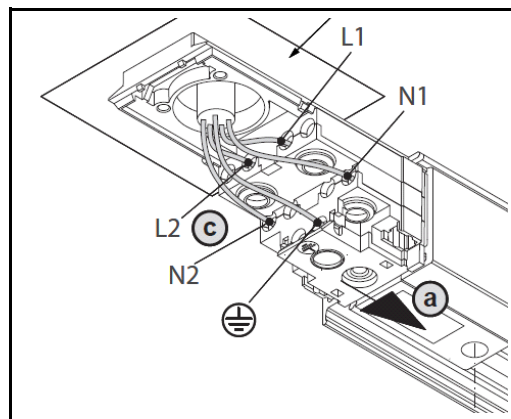
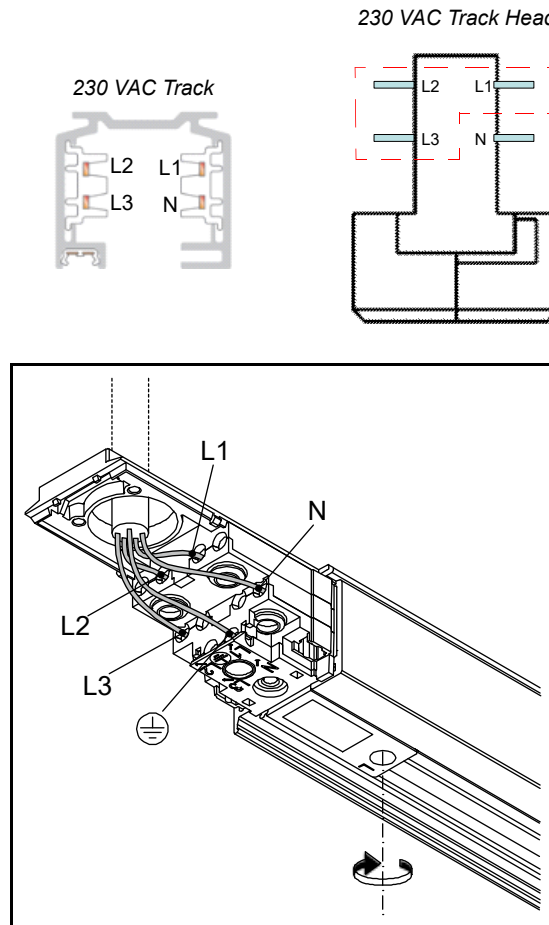


Figure 9: Wiring 120VAC System

**230 VAC Wiring**

Like 120 VAC, 230 VAC power wiring is very straightforward. The track is powered by three hots and one neutral as illustrated in **Figure 10**. Circuit section is achieved by turning the fixture selection knob on the track head.



**Figure 10: 230 VAC Track Power**



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