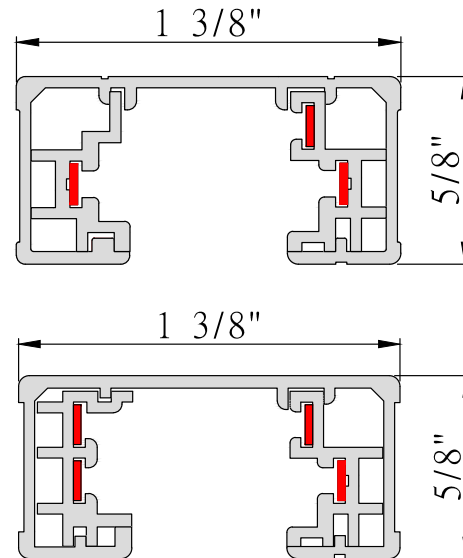
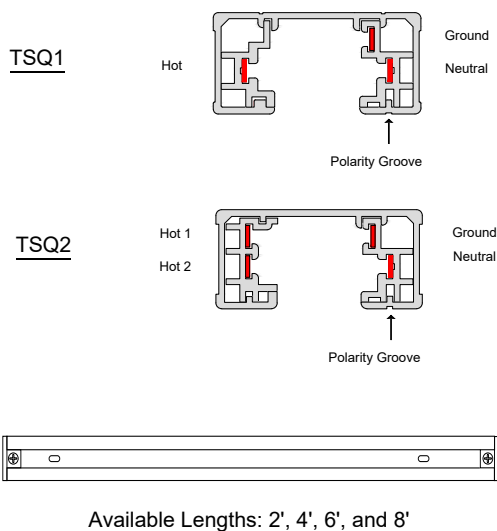




TSQ1 & TSQ2 Track System Instructions



IMPORTANT SAFETY INSTRUCTIONS

WARNING: FIRE/ELECTRICAL HAZARD

This equipment is intended to be installed only by qualified personnel. The completed installation must be approved by the electrical inspector. Improper installation may result in an electrical hazard, fire, and/or serious injury. Read all directions prior to attempting installation. Turn off power at the circuit breaker and confirm that power is off before doing any work.

The track must be securely attached to the ceiling drywall or ceiling panel with appropriate hardware rated for your ceiling type and the weight of the track and track light fixtures.



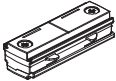
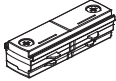
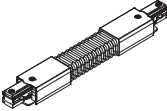
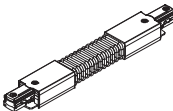
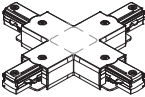
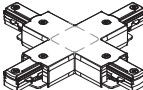
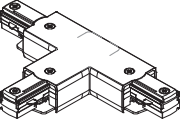
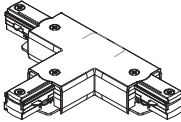
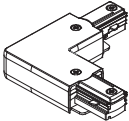
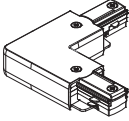
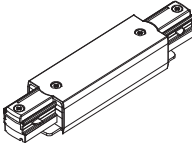
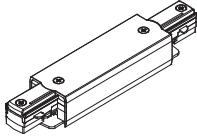
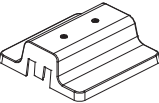
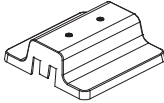
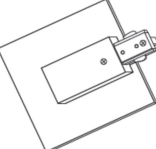
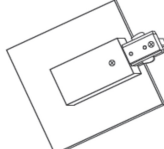
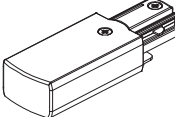
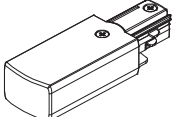
IMPORTANT: The track and track heads are UL Listed only for 120V/60Hz. The track has a maximum rating of 20 amps. Do not use the track for low-voltage applications (i.e. do not power the track with low-voltage). Track is only for use with type "H" components.

DIMMING

If using a dimmer, it must be capable of handling the complete wattage load of the track heads. Incandescent lamps, low-voltage lamps, and LED lamps can be dimmed with an ELV style dimmer. LED track heads (those with built-in LED) should only be dimmed with high-quality dimmers that are specifically designed to work with LED Drivers. (LED Drivers are not the same as LED lamps, so check the dimmer's literature to confirm that the dimmer works with LED Drivers/LED fixtures. Using the *incorrect* dimmer may lead to poor dimming or strobing, and could possibly overheat the LED track head.)

Connector & Feed Components

Additional components, such as Pendant Supports and Suspended Ceiling Support Clips, are available. Please see our website for specification sheets and other details. www.quantalight.com

TSQ1 One Circuit System Components	<u>Description</u>	TSQ2 Two Circuit System Components
Q2701 	<p>Dead End Cover Mandatory for all open ends of track.</p>	 Q2701
Q2724 	<p>Mini Connector For connecting two lengths of track in a linear configuration.</p>	 Q2752
Q2719 	<p>Flexible Connector For connecting two lengths of track at any angle, providing the ability to also connect two tracks at unequal elevation.</p>	 Q2759
Q2716 	<p>X-Connector For connecting four lengths of track in an X-shape. Can also be used as a feed connector.</p>	 Q2758
Q2715 	<p>T-Connector For connecting three tracks in a T-shape. Can be configured to be an inside or outside, left or right Tee. For two-circuit use, the Q2756 must be selected for left or right Tee connection. Can also be used as a feed connector.</p>	 Q2756
Q2713 	<p>L-Connector For connecting two lengths of track. Adjustable to branch left or right. Can also be used as a power feed.</p>	 Q2754
Q2712 	<p>Straight Power Feed & Connector For feeding power to surface mounted track in the middle of two runs. Typically used in conjunction with a Q2704 J-Box cover.</p>	 Q2708
Q2717 	<p>Floating Power Feed For feeding power to surface mounted track at any point along the length of the track.</p>	 Q2757
Q2714 	<p>End Power Feed, J-Box Style For connecting to end of track. Provides power while covering a J-Box.</p>	 Q2755
Q2722 	<p>Live End Power Feed For feeding power to surface mounted track from the end. Typically used in conjunction with a Q2704 J-Box cover.</p>	 Q2751

Track System Layout

If you don't already have a reflected ceiling plan from a lighting designer or architect, then you will need to carefully plan where you want your track system, how you will power it, and how you will attach it to the ceiling. Take measurements and make a drawing that you can follow when you are ready to install the track. It's important to figure out how you will power the track. Do you have access to a 120V source from within the ceiling? There are a number of Power Feed accessories that will fit different situations (see page 2). If no readily available source of power is apparent, then seek the help of an electrician.

See our website for a complete list of track supports, feeds, and other components. The QuantaLight track and components are type "H" compatible.

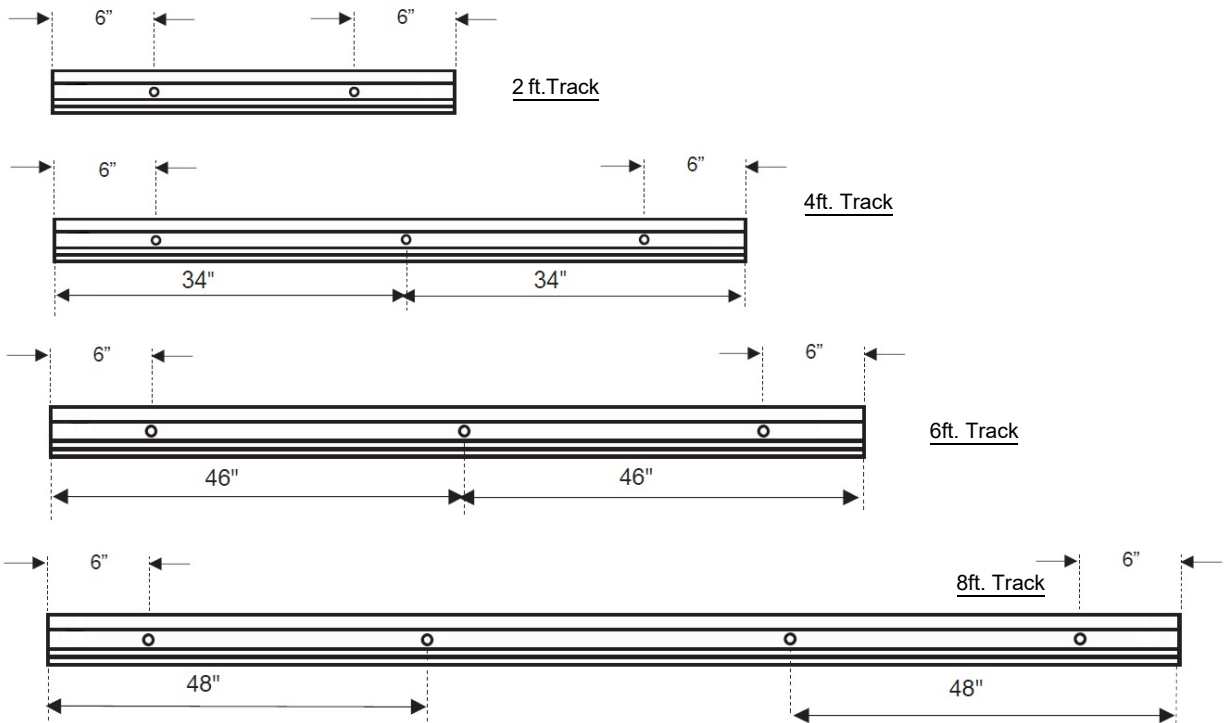
Cutting Track Sections

If needed, the track may be shortened by following these directions:

- Plan ahead. Measure twice, cut once!
- Mark the track where the cut is needed.
- Using a hack saw with a fine toothed blade rated for metal, carefully cut the track to the desired length. The track must be cut perpendicular to it's length.
- Clean away any surface roughness, remove any debris, and then vacuum the track. Make sure conductors remain in their respective recessed channels.

Mounting Hole Locations on the Track

The track sections come with pre-drilled mounting holes. If you shorten a track section, then you will likely need to add another mounting hole. The drawings below show the spacing for various track sizes. The hole diameter is 3/16". Drilled holes must be located exactly in the center of the track (exactly between the conductors). Do not damage track conductors! After drilling clean off any burrs and surface roughness, then vacuum the track. Check to make sure no debris remain within the track.



(Illustrative only. Track sections in above diagram are not to scale.)

Mounting the Track

STEP 1

- a) Using your previously made reflected ceiling plan, carefully measure and lay out your track locations onto the ceiling with pencil marks. Use caution when standing on a ladder. Have a second person helping.
- b) Locate where the track will begin, and then hold the track sections up to the ceiling, one by one, to mark the mounting locations for the track (use the holes on the track as a guide for marking). Make sure to include the connectors and power feeds as part of the measurements. Take note that the track may begin with a power feed, or perhaps the power feed is somewhere mid way, so think this through while marking the track mounting holes. (Notes: If using pendant supports the mounting process will be somewhat different. Read pages 5 & 6 to understand how the pendant supports will be used. If using T-Bar Clips the mounting process will be different, as the clips attach to the ceiling grid without drilling.)

STEP 2

- a) Again, if you are using pendant supports read the last two pages before moving forward. T-Bar Clips "clip" onto the metal support bars of the suspended ceiling without drilling into ceiling tiles.
- b) Use only hardware appropriate for your ceiling type and the combined weight of track and fixtures. If mounting directly to the ceiling, drill holes at the locations that were previously marked in Step 1. Be sure to drill holes as per the instructions that came with your mounting hardware (not supplied).
- c) Starting at one end, begin to assemble the track, section by section, while using your selected hardware to attach the track and connectors to the ceiling. (Basic track and component assembly is done by sliding power feeds and/or connectors into the track fully while observing polarity. See Figure 1 below. Be sure to lock the components together by tightening the lock screw, but do not over tighten.)
- d) Securely install end-caps over any remaining exposed track ends.

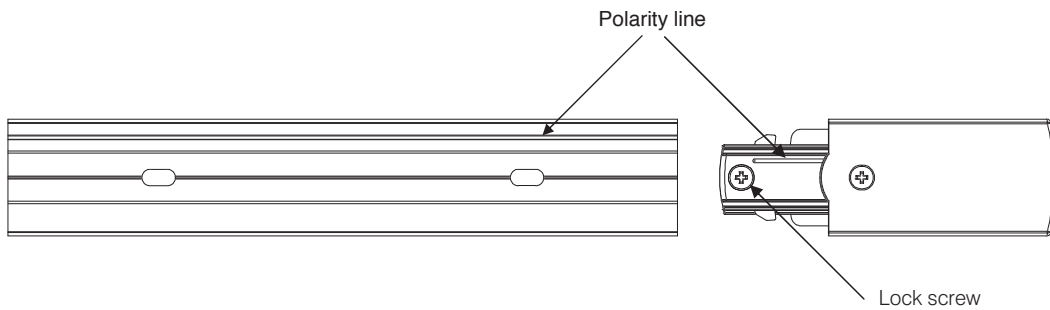


Figure 1

STEP 3

- a) Ensure that power is turned off at the circuit breaker. Remove cover from the track power feed. Following instructions for your specific style of power feed, make all electrical connections. Ensure that the power feed is also mechanically connected to the Junction Box as per instructions. Electrical work is to be done by an electrician. Follow all local and national electrical codes.
- b) After electrical connections are completed, securely close the covers to all power feeds.

STEP 4

- a) Install the track heads (i.e. track fixtures) on to the track in accordance with the track head manufacturer's instructions, taking care to match the polarity line of the track head adaptor with the polarity line on the track.

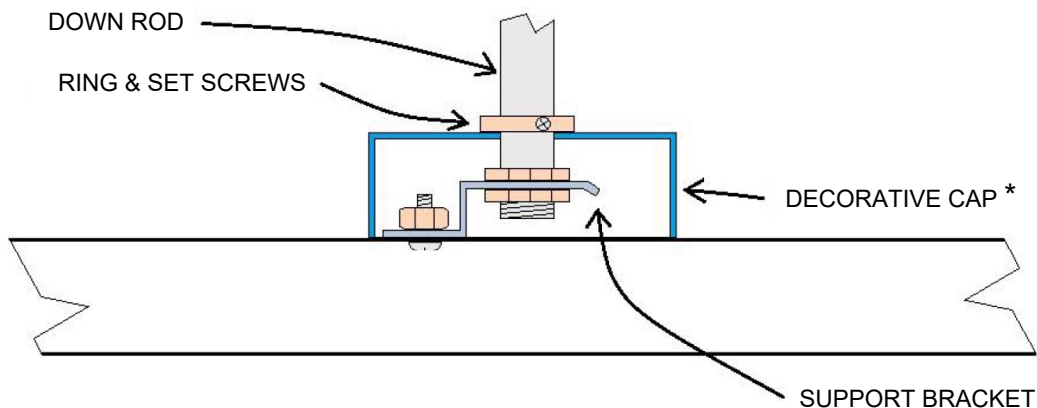
Note: To prevent arcing, only install/uninstall track heads when power is turned off. As this system is based on "H" style track, only use type "H" compatible track heads.

QuantaLight Q18, Q36, & Q48 Pendant Support Kits

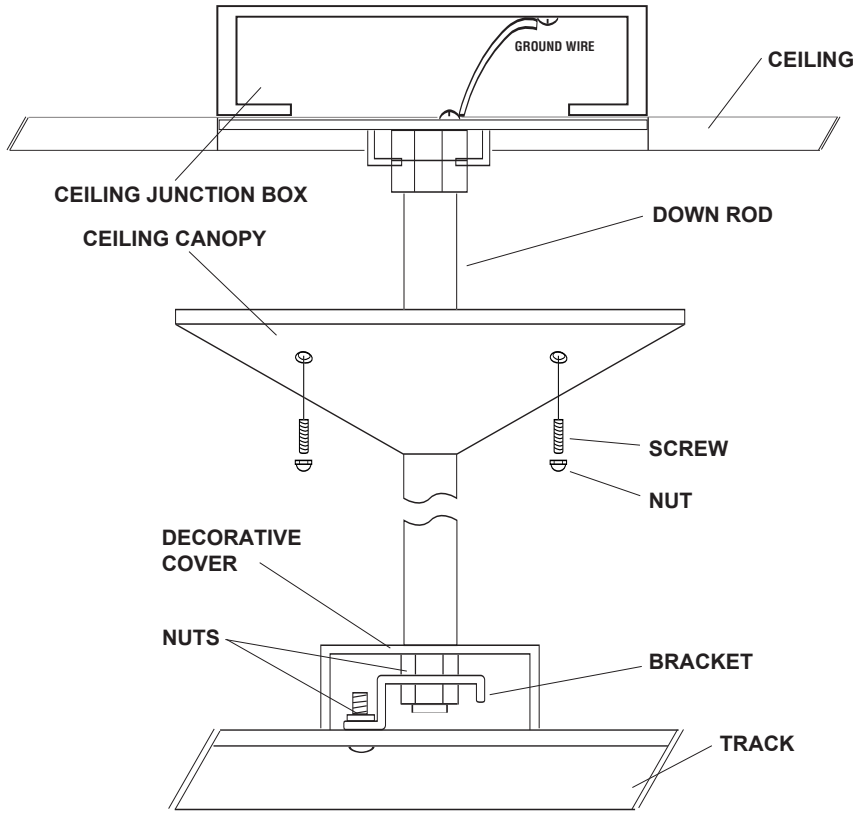
- 1) Carefully open box and locate the small bag containing the hardware.
- 2) Locate the pre-drilled holes in track. (Or if needed, using the existing holes as a guide, drill one or more small holes where the track supports are to be mounted onto the track. The holes should be centered and sized just big enough to fit the small included bolt.)
- 3) Insert the supplied small bolt through hole on the inside of the track, as shown in diagram below, and then mount the metal support bracket using the matching supplied nut. Tighten securely.
- 4) Remove both large down rod nuts and then slide the "ring" over the end of the down rod. Finally, slide the decorative cap over the down rod.
- 5) While keeping the cap and ring on the rod, screw one of the large nuts back onto the down rod. Screw it all the way up until it stops, and then hand tighten with fingers.
- 6) Now screw the second large nut over the end of the down rod, but leave a gap and do not tighten yet.
- 7) Slide the mounting bracket between the gap of the two large nuts (see diagram below). Tighten large nuts securely to the mounting plate.
- 8) Finally, slide decorative cap down and over bracket. Then slide down the ring and tighten the ring's set-screws to secure the cap.

*NOTE: If using the pendant support as a power drop for the electrical conductors, then also order separately the Q2705 decorative cover to hide the conductors. (Use Q2705 instead of the small decorative cap included with the pendant kit.)

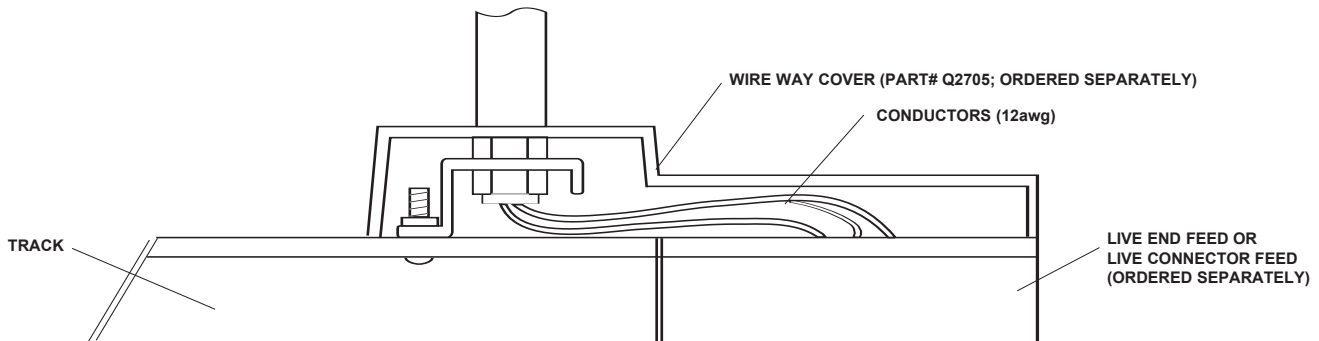
Hardware Bag
Included with Pendant Kits
(formerly item Q2702).



QuantaLight Q18, Q36, & Q48 Pendant Support Kits (CONTINUED)



STANDARD ASSEMBLY



ASSEMBLY WHEN USED WITH POWER FEED

WARNING: FIRE/ELECTRICAL HAZARD

This equipment is intended to be installed only by qualified personnel. The installation must be made in accordance with the current edition to the National Electric Code and all applicable state and local building codes. The final installation must be approved by the appropriate qualified electrical/building inspector(s). Improper installation may result in a fire or electrical hazard. Read all instructions prior to installation.

Turn off power at circuit breaker box before beginning installation.

DIMMING

Dimmer must be capable of handling complete wattage load of track heads. Low-voltage track heads must be dimmed with an ELV style dimmer capable of dimming transformers. LED track heads must be used with a dimmer specifically designed for use with LED drivers.

IMPORTANT: Track is UL Listed only for 120V 60Hz, 20 amps. Not for use with low-voltage remote transformers.

IMPORTANT: When using a pendant as power feed make sure to attach upper end of pendant assembly only to an electrical junction box. Within the ceiling, the junction box must be firmly attached to a wood joist, or similar, that is able to support the weight of the track and track heads. When the pendant assembly is not used as a power feed, make sure it is attached firmly to the ceiling drywall or ceiling panel with appropriate hardware, and ideally, use wood blocking behind the ceiling to add strength.