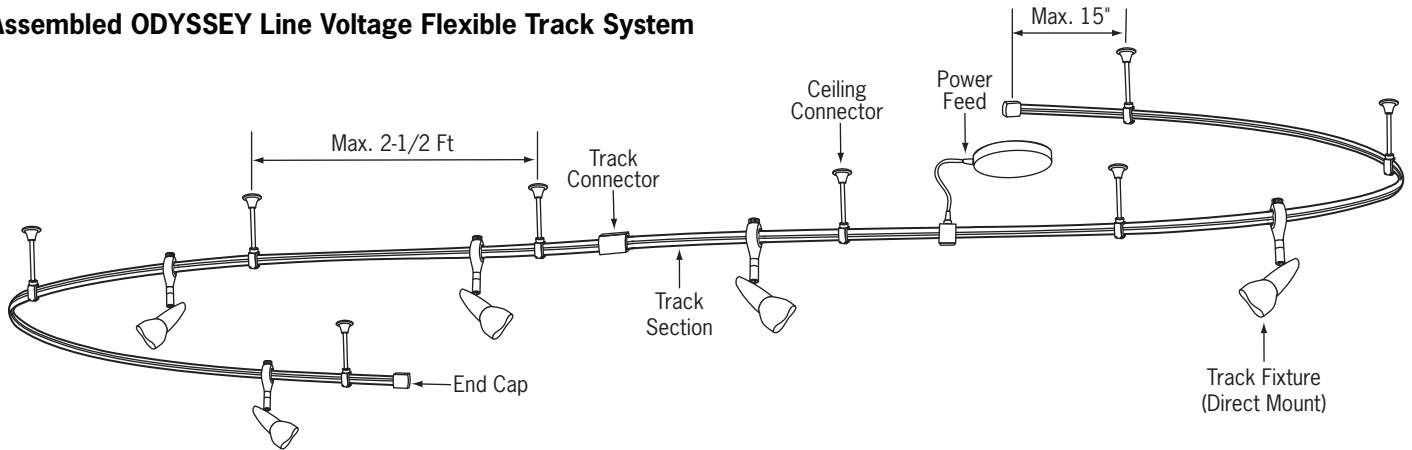


For ConTech Lighting Odyssey Line Voltage Flexible Track System

The Odyssey Line Voltage Flexible Track System is a contemporary way to light your space. A variety of components and fixtures allow the installation to be tailored to your space and lighting needs. The rail has two insulated copper conductors and one copper ground conductor (vertically stacked) inside of each anodized aluminum rail and is rated for 120V at 20A. This single circuit design allows for 2400W max. on a circuit (derate to 80% to meet NEC guidelines). Polarity must be matched with the Odyssey Flexible Track system. cULus Listed for dry locations. All screws should be tightened securely.

Assembled ODYSSEY Line Voltage Flexible Track System



Flexible Track Layout and Shaping

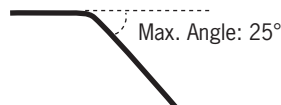
Odyssey layouts may be made using straight flexible track sections joined by connectors; conductive or non-conductive. Curved flexible track sections may also be used to create arcs, serpentine, round, or any other configurations in the horizontal plane only. Plan where the power supply will be attached and work away from that point to layout and install your system.

Flexible Track Curving

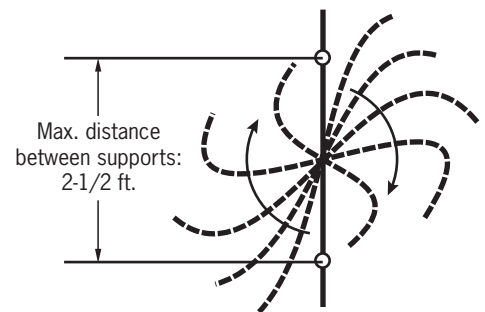
The curving machine (LIR590-S) must be mounted to a secure table (2-1/4" maximum thickness). Start curving by positioning the rail loosely between the nylon rollers and close the rollers until they gently grab the rail. Tighten the rollers gradually with no more than a 1/4 turn of the handle. Gradually curve the rail to the desired radius with several passes through the rollers, making sure to pass the rail through the rollers end to end. Turn the handle to roll the rail out past the end with each pass. To start the next pass, push the end of the rail between the rollers, but not so it sticks out past the rollers. Tighten the rollers with a partial turn of the handle. When desired radius is achieved, leave the last roller position - **DO NOT LOOSEN THE ROLLERS AT THIS POINT** - in place and flip your rail upside down to curve the rail one more time from end to end in the same direction of the curve. This last step evens out the curving radius. Over tightening or quick radical curves can remove the silver anodizing from the rail or produce sharp bends that are not wanted. You may flip your rail over and reverse the curve if adjustments are required. ConTech Lighting can curve 4' rails at the factory to a specified radius for an additional charge.



Circular bending capacity of track: 5 CYCLES



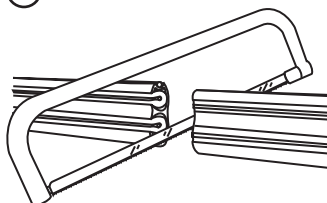
Angular bending capacity of track: 1 TIME



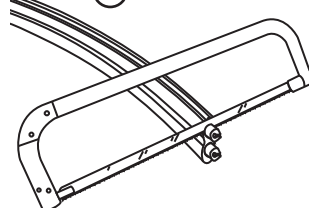
Flexible Track Sizing Cutting

Layout the Odyssey flexible track design on the floor and connect the flexible tracks together. If cuts are required, measure from centers of connectors or from tips of the flexible track and mark the pieces of track where they should be cut. Nominal lengths are measured from the tips of the flexible track and are 24" for 2' flexible tracks, 48" for 4' flexible tracks, 72" for 6' flexible tracks, 96" for 8' flexible tracks and 144" for the 12' flexible tracks. Cut the flexible track with a fine tooth (32T) hacksaw blade as shown. Smooth off any burrs with a fine file or rasp.

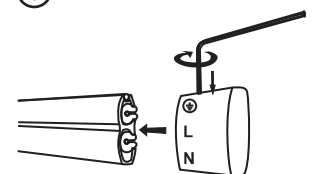
(A)



(B)



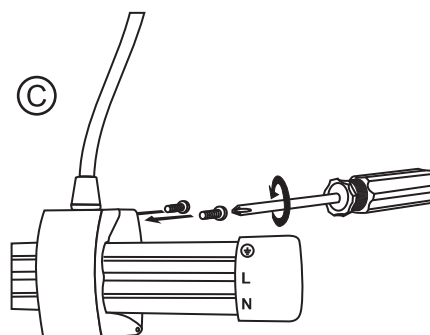
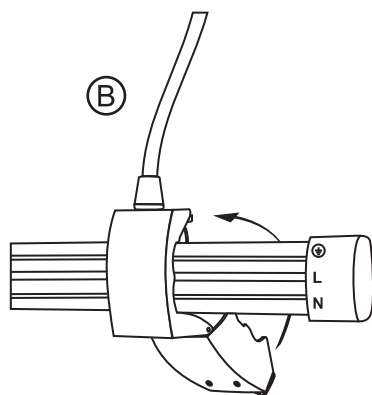
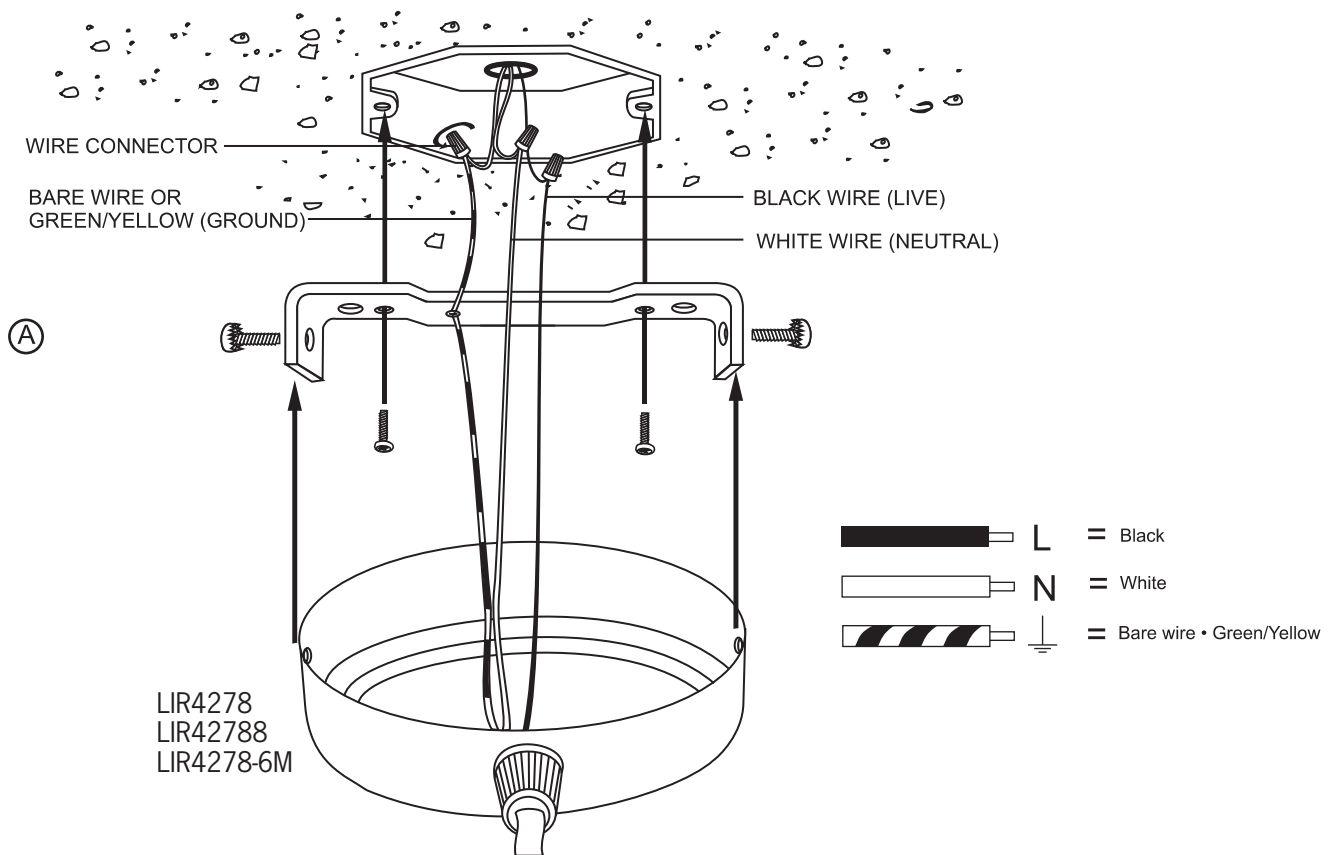
(C)



Power Supply Installation

Round Canopy With Power Supply Cord

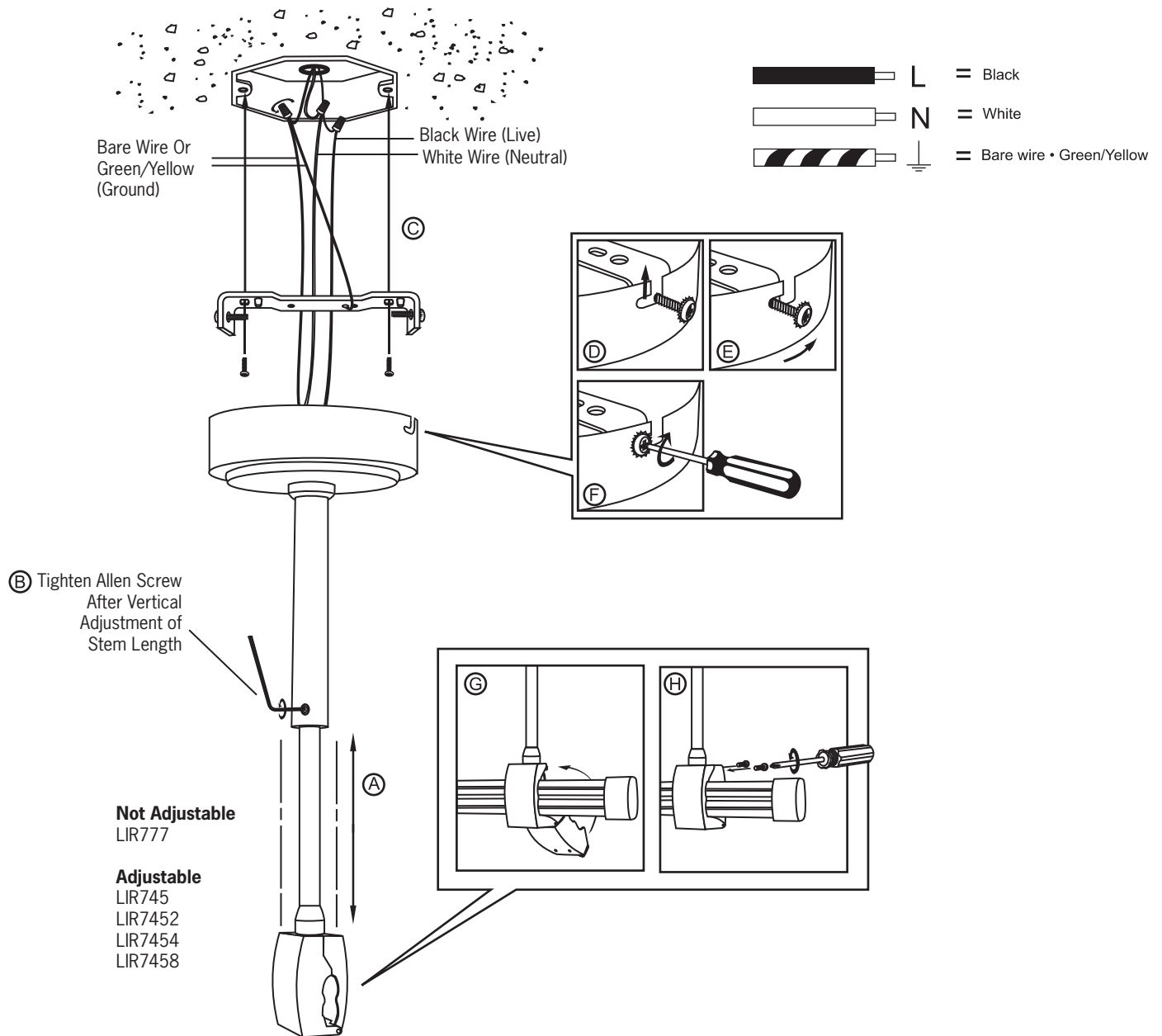
Power supply cords are installed independently from flexible track supports and are not meant to support the weight of the system. Start your installation from the power supply location to position the supports and flexible tracks as planned. Loosen the cable grip at the canopy and adjust the length of your power cord to the nearest inch of length to be needed. Allow the proper length of extra wire to work with in the junction box. Tighten the cable grip to secure the cable. Cut down the cable and cut back the outer covering. The hot, neutral and ground insulated wires are now exposed for connection to the building power leads in the 4" round junction box. Attach the mounting bar to the junction box with (2) #8-32 screws. The mounting bar has (2) Philips screws for holding the canopy to the junction box. Connect the 120V matching hot, neutral and ground lead wires from the power stem to the line voltage wiring as shown below. Slide the canopy over the mounting bar side screws and twist until in the proper place. Tighten the (2) Philips screws for the canopy. Make final adjustments to the length of your cable at the cable grip. Loosen the (2) Philips screws on the bottom of the power stem. Slide the Odyssey flexible track through the Power Stem to its proper position. Tighten the (2) Philips screws on the bottom of the power stem.



Power Supply Installation

Round Canopy With Power Stem Mounting

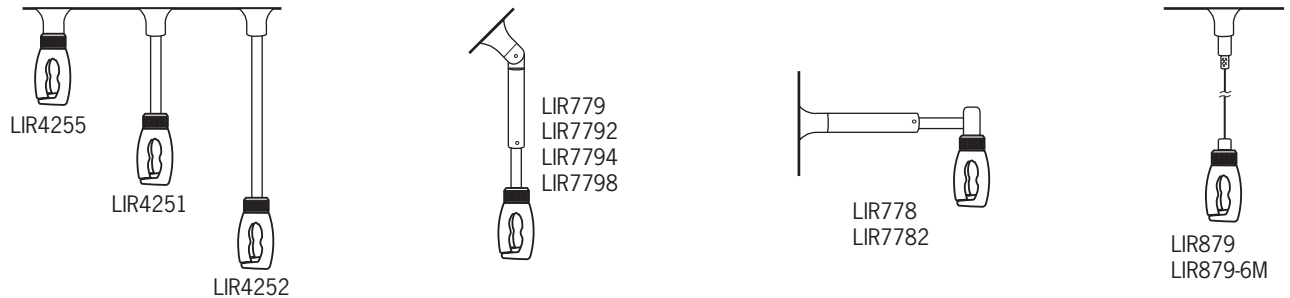
Power supply stems are installed as a flexible track support and are meant to support the weight of the system. Start your installation from the power supply location to position the other supports and flexible tracks as planned. For nonadjustable power stem LIR777 (4" length), skip STEP-A and STEP-B in the installation illustration. Adjustable power stems are available as follows: LIR745, Adjustable 7-1/2" - 11-1/2", LIR7452, Adjustable 14" - 24", LIR7454, Adjustable 26" - 48", LIR7458, Adjustable 50" - 96". For adjustable power stems, adjust the length of your power stem to the nearest inch of length to used and lock into place with the (1) 1.5mm Allen screws to give the proper length of wire to work with in the junction box. On the Power Stem assemblies, bring your 120 Volt power leads to the 4" round junction box. Attach the mounting bar to the junction box with (2) #8-32 screws. The mounting bar has (2) Philips screws for holding the canopy to the junction box. Cut down wires if needed leaving some extra wire for final adjustment of stem. Connect the matching hot, neutral and ground lead wires from the power stem to the line voltage wiring as shown below. Slide the canopy over the mounting bar side screws and twist until in the proper place. Tighten the (2) Philips screws for the canopy. Make final adjustments to the length of your power stem (if available) and lock into place with the (1) 1.5mm Allen screws. Loosen the (2) Philips screws on the bottom of the power stem. Slide the Odyssey flexible track through the Power Stem to its proper position. Tighten the (2) Philips screws on the bottom of the power stem.



Surface (Ceiling) Connections

Ceiling And Wall Supports For Flexible Track

The Odyssey Flexible Track System must be supported by Ceiling Stem Connectors or Cable Ceiling Connectors. Use your flexible track layout on the floor to mark off where the supports will be placed on the ceiling. It is recommended that supports should be no more than 2.5 feet apart. Use a plumb-bob or a laser device to mark the ceiling when ready to install supports. The ceiling connectors include a 15/16" O.D. ceiling flange with a 1" length Philips head screw/concrete anchor assembly. Odyssey ceiling connectors come in different lengths: LIR4255, 3-5/16"; LIR4251, 4"; LIR4252, 7-7/8"; LIR589, Adjustable 7-1/2" – 11-1/2". For sloped ceiling, use the LIR779-S, Adjustable 8-5/16" – 11-1/2", LIR7792, Adjustable 14-1/2" – 24", LIR7794, Adjustable 26-1/2" – 48", LIR7798, Adjustable 50-1/2" – 96". Adjustable stands lock the length into place with a (1) 1.5mm Allen screw. The recommended maximum distance between ceiling connectors is 30". A Philips screw is used to lock the ceiling flange support stem angle, which can be 0° to 60°. For wall installation, use the LIR778, Adjustable 5-3/4" – 9" or LIR7782, Adjustable 14" – 24". For cable mounting use the LIR879 with 8' adjustable cable or LIR879-6M with 19'8" adjustable cable.



Installation For Flexible Track Support Flange: Solid Surface

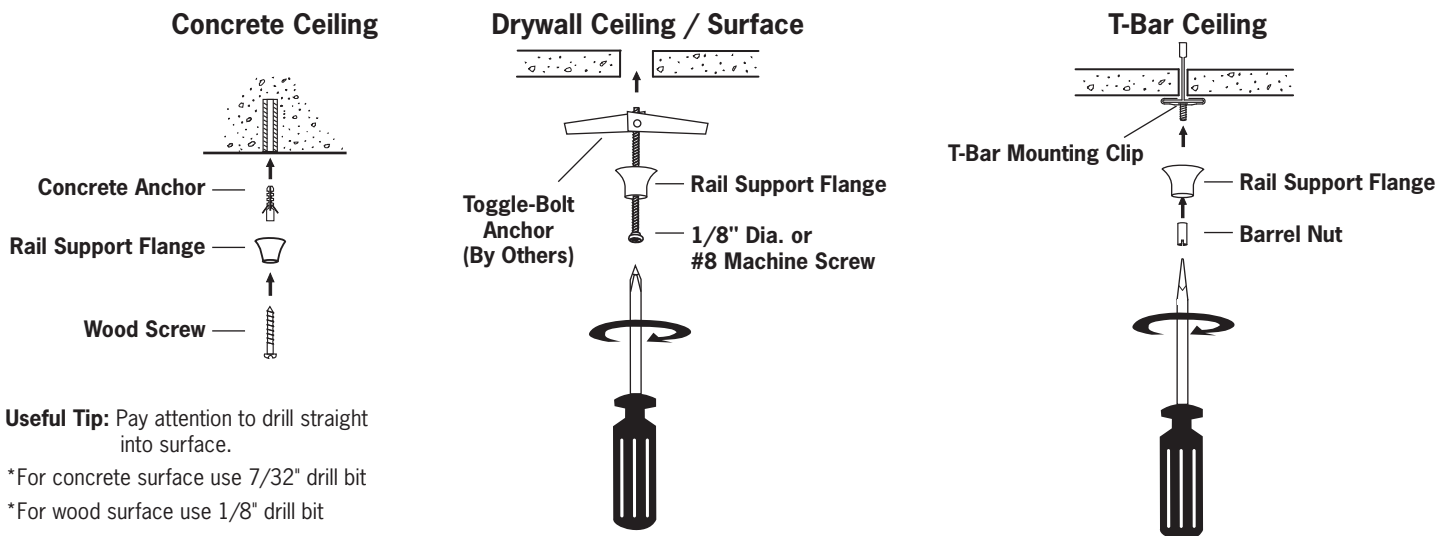
The surface flange can be mounted to various surfaces (ceiling or wall). For wood surfaces, use a 3.2mm (1/8") drill bit for the wood screw included. In concrete surfaces, use a 5.5mm (7/32") drill bit for the included concrete anchor.

Installation For Flexible Track Support Flange: Drywall Surface

For installation into a drywall surface, use a toggle bolt anchor (not included) that uses a 1/8" dia. or #8 screw which fits through the ceiling flange. A 1/2" hole should be drilled into the drywall to properly insert the 1/8" anchor toggle wings. Toggle bolt anchors are available by others.

Installation For Flexible Track Support Flange: T-Bar Ceiling

The Odyssey Flexible Track system may be optionally supported from an Inverted T-Bar suspended ceiling by use of a ConTech LA-1 15/16" T-Bar Mounting Clip with a # 8-32 x 5/8" stud. Insert the stud through the ceiling flange. Inside the ceiling connector packaging should be a 1.5mm Allen wrench and a straight slotted brass barrel nut. Attach that brass barrel nut supplied with the LA-1 to the # 8-32 stud and lock down using the straight blade screwdriver. Upon completion, attach the assembly to the proper location of the T-Bar ceiling. The suspension tab/stem portion of the ceiling connector can then be screwed into the ceiling flange base. (Always tighten all screws and connections). Care should be taken to add sufficient support wires to the suspended ceiling to carry the additional weight of the Odyssey Line Voltage Flexible Track System.



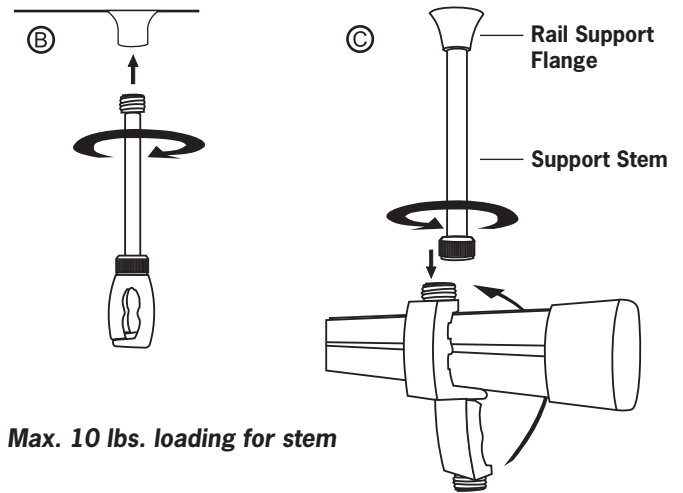
Useful Tip: Pay attention to drill straight into surface.

*For concrete surface use 7/32" drill bit

*For wood surface use 1/8" drill bit

Mounting Of Flexible Track Support Stems

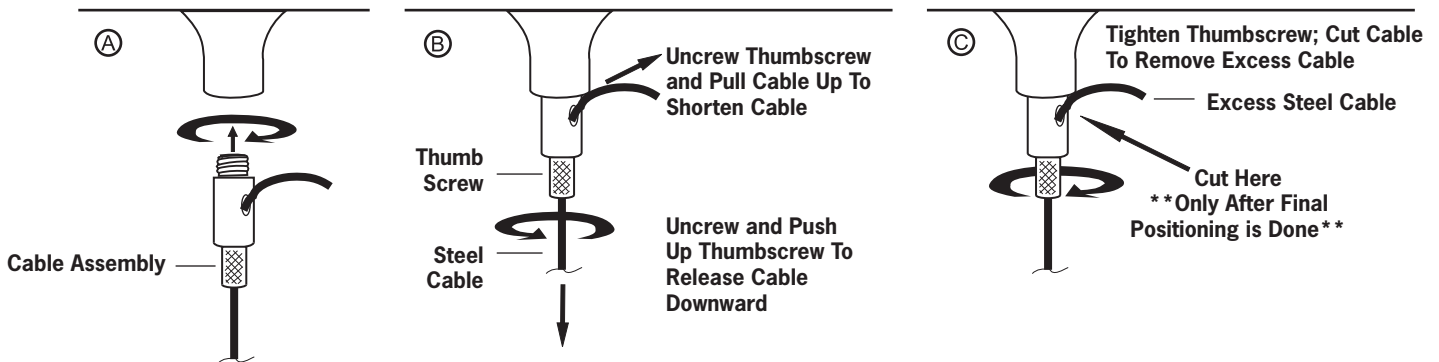
After mounting the flexible track support flange securely to the ceiling or wall surface (STEP A for "Installation For Flexible Track Support Flange"), the support stem can be attached to the mounted flange. Screw in the vertical stem into the support flange, so that no threads are showing and tightened securely. Loosen the ribbed ring above the flexible track adapter and detach the flexible track adapter. Position the flexible track with the copper ground bus toward the ceiling in the flexible track adapter. Align the flexible track insulators with the notches in the adapter to allow the adapter to close properly around the flexible track. Position the closed adapter threads below the stem and screw the ribbed ring down until tightened.



High Ceiling / Long Drop Flexible Track Mounting

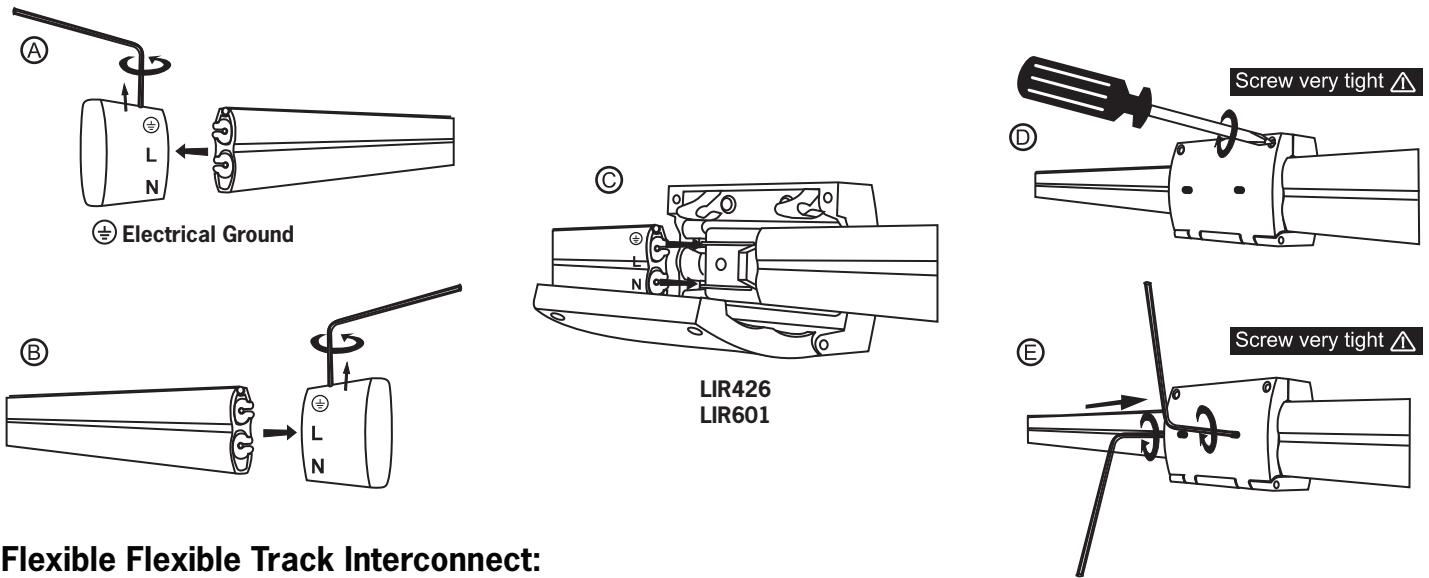
On longer drops, use LIR879, 8' Aircraft Cable Ceiling Connector or LIR879-6M, 19'8" Aircraft Cable Ceiling Connector. The ceiling flange gets installed just like the previous methods (STEP-A for "Installation For Flexible Track Support Flange"). The cable assembly screws in the ceiling flange and has an adjustable grip mechanism. Loosen the thumbscrew and adjust the cable as shown. *****ONLY AFTER FINAL POSITIONING OF RAIL SYSTEM HEIGHT IS DONE, CUT THE EXCESS CABLE WITH SIDE-CUTTING PLIERS FROM ONLY ONE END AS SHOWN.***** Then mount flexible track to cable flexible track adapter as in the "Mounting Of Flexible Track Support Stems".

Mount Ceiling Flange As On Other Stands

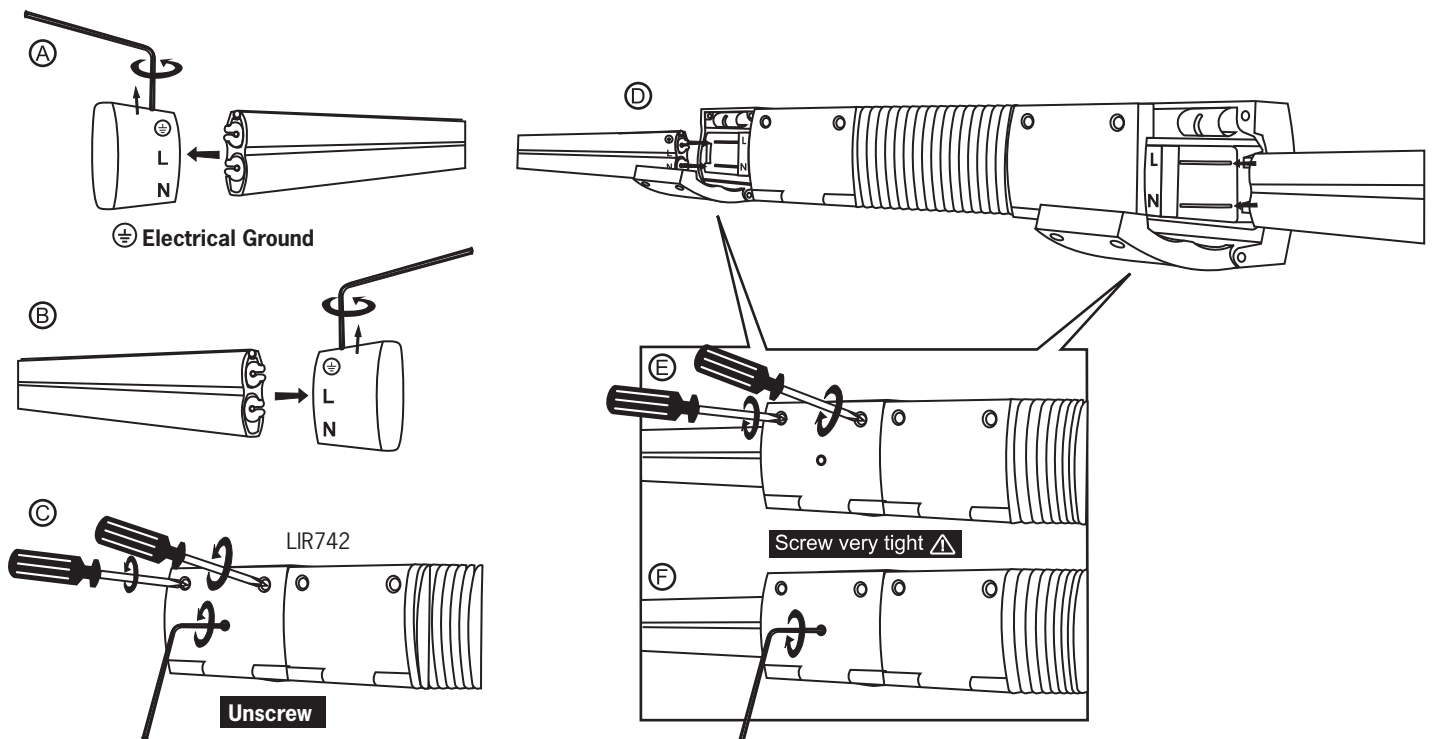


Mounting / Connecting Flexible Track

Starting at the power connections, begin with a single Odyssey flexible track piece and attach it to its designated support(s) and or power stem(s). Tighten all your Allen screws and suspension tabs. Install the connectors that the adjoining flexible track will be attached to. The LIR426 Conductive Straight Connector or LIR601 Non-Conductive Straight Connector can be installed as shown below. Secure this first flexible track to its ceiling support (s). Position the first flexible track and connector with the copper bus and ground terminals toward the ceiling. Be sure to align the opening in the insulators with the tab contacts in the connectors. Secure this second flexible track to its ceiling support (s). Bring the second flexible track into position with the connector. Close the connectors and tighten the Philips screws in step-D. Tighten the Allen screws securely to hold the flexible tracks together in Step-E. Repeat this procedure until all the flexible tracks have been installed. Follow similar procedure for the Flexible Flexible Track Interconnect: LIR742. Once all the Odyssey flexible tracks have been installed, insure that all connections and Allen connector screws are tightly secured. Never attempt to raise the assembled layout or multiple flexible tracks to the ceiling as a single piece. Damage to the system may occur. Be sure that POWER IS OFF if tightening during routine maintenance.



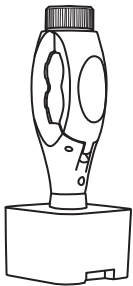
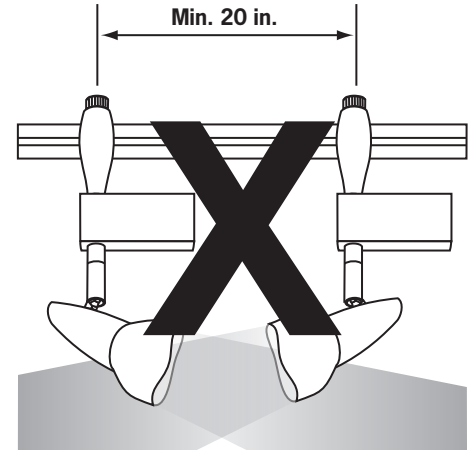
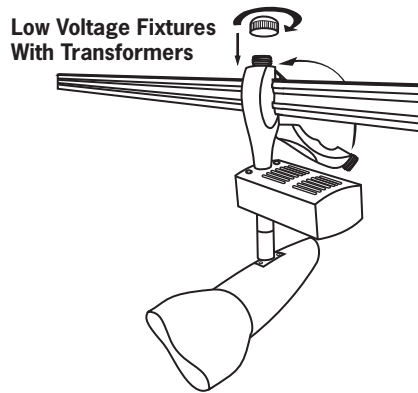
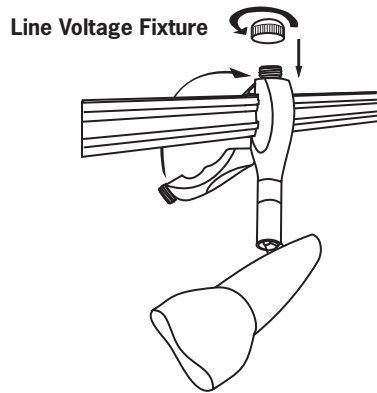
Flexible Flexible Track Interconnect:



Fixture Installation

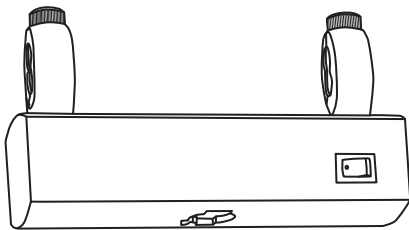
Fixture Mounting

Position the fixture as shown and align the tab contacts in the suspension tab with the openings in the flexible track insulators. Close the tab sides around the flexible track and screw the cap onto the suspension tab. See specific fixture information for lamp type and maximum wattage. Do not place fixtures closer than 20in. together when aiming lamps in direction of other fixtures.



Universal Flexible Track Adapter

LIR59875, Universal Flexible Track Adapter for ConTech "CTL" Series Fixtures, This adapter allows use of most of ConTech Lighting's Line Voltage Track fixture styles on the Odyssey Flexible Track System. First, install this adapter to the flexible track as in the "FIXTURE MOUNTING" section. Then install the track head as you would install it onto a standard track section. Align the track adapter pins with the universal adapter socket. Insert and twist 1/4 turn to lock into place.



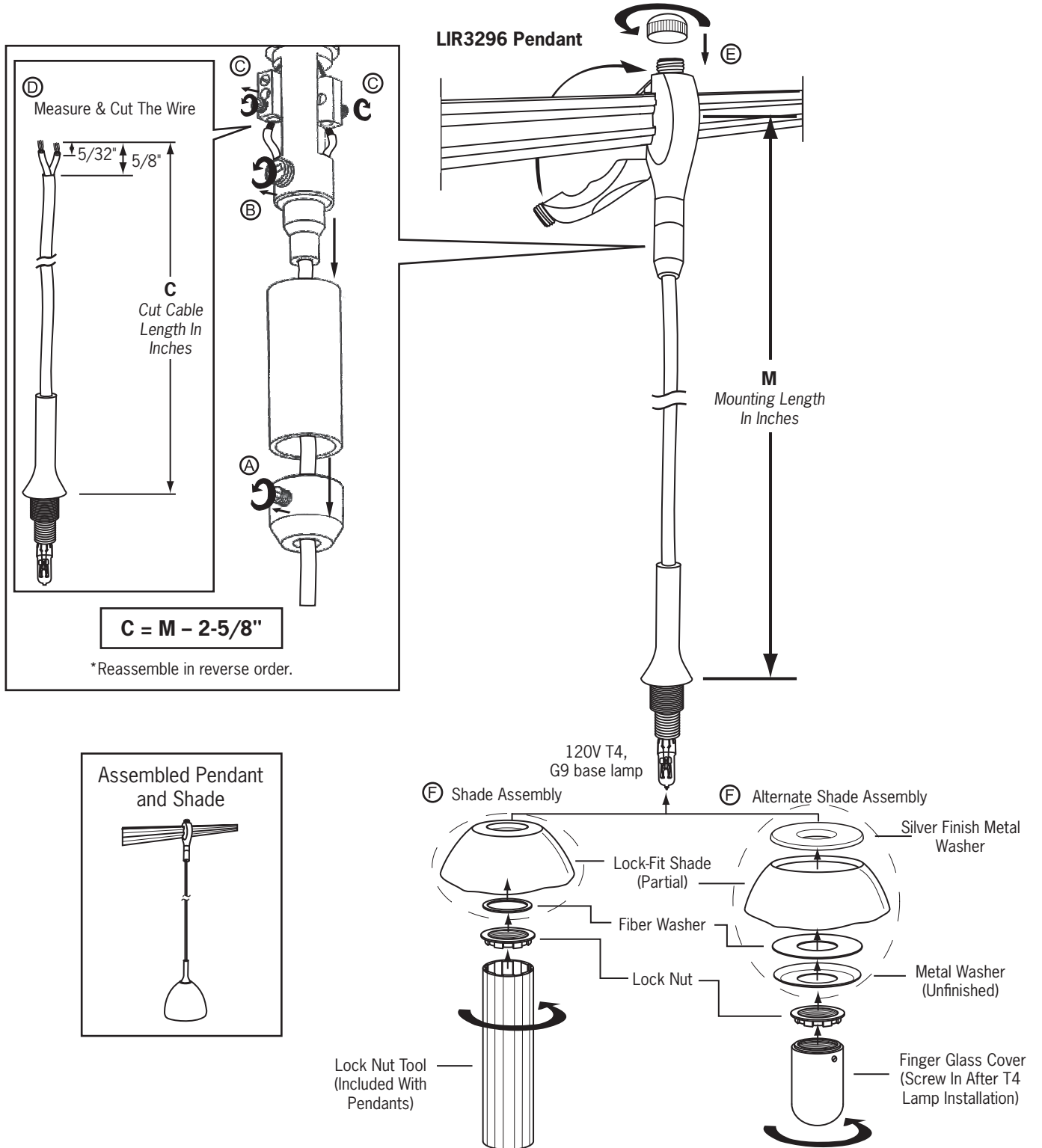
AroTech CMH Track Fixture Flexible Track Adapter

LIR20MHE, LIR39MHE, LIR70MHE, AroTech CMH Track Fixture Flexible Track Adapter, This adapter allows use of ConTech Lighting's AroTech Ceramic Metal Halide Line Voltage Track fixture styles on the Odyssey Flexible Track System.

Pendant Fixture - Installation With Lock-Fit Sockets

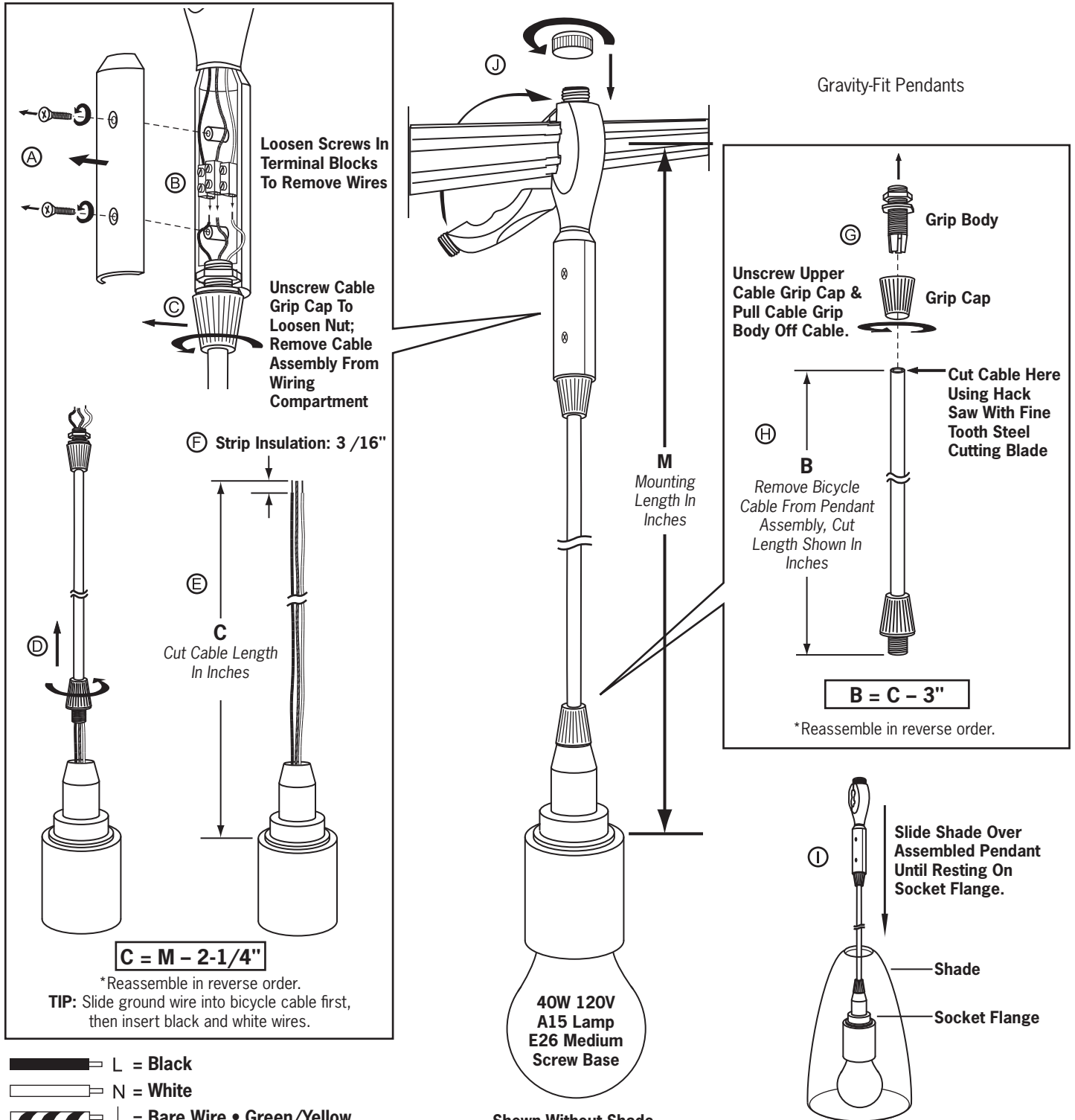
Installation With Standard Or Modified Length Pendant Cables

Odyssey Lock-Fit pendant fixtures (LIR3296) are available with 78-1/2" of wire with transparent insulation. If no height adjustments are required, just attach the fixture to the Odyssey flexible track at the suspension tab. The shade is captured within the socket assembly. Tighten down the cap onto the two side of the suspension tab as shown. For adjustments to pendant length and flexible track installation, see illustration. These Lock-Fit pendants use a 120V, T4 lamp with G9 base. 40W max.



Pendant Fixture - Installation With Gravity-Fit Sockets And Bicycle Cable
Installation With Standard Length Or Modified Pendant Cables

Odyssey Gravity-Fit pendant fixtures are available in 4 lengths: LIR7246 (24"), LIR7486 (48"), LIR7726 (72"), and LIR7966 (96"). These pendants feature a stiff bicycle cable to provide a straight look to the pendant cable. If no height adjustments are required, just slide the chosen shade over the pendant from the top until it rests on the socket flange. Then attach the fixture to the Odyssey flexible track at the suspension tab. Tighten down the cap onto the two side of the suspension tab as shown. For adjustments to pendant length and flexible track installation, see illustration. These Gravity-Fit pendants use a 120V, A15 lamp with medium screw base, 40W max.



All specifications subject to change without notice. For ConTech's limited product warranty, go to www.contechlighting.com. For a printed copy of the warranty, call 1-847-559-5500.