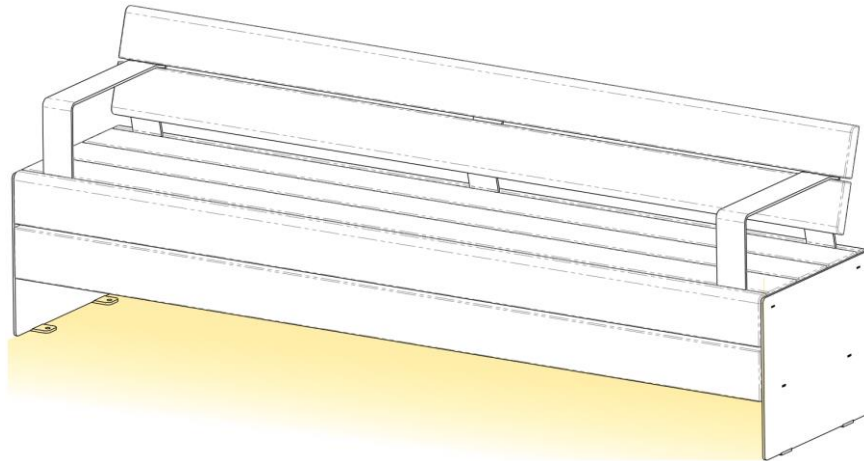


CAMINO BENCH LIGHTING Installation / Assembly Instructions



Lighting kits for the Camino benches are installed after bench installation is complete. Check site plan and layout to determine the location of “starter” or “adder” units and for available AC line voltage.

⚠ All electrical work is to be performed by a qualified, licensed, electrician. It is the responsibility of the installing authority to ensure that all local, state, and other applicable codes and regulations are understood and adhered to.

To find information about caring for Tournesol products visit: Tournesol.com/care

INCLUDED

Power Supply Bracket (starter kit only)	1 pc.
End Mount Bracket (2 pcs. if adder kit)	1 pc.
Light Bar Tray	1 pc.
96W LED Driver	1 pc.
Light Bar with connectors	1 pc.
¼”-20 Button Head Screw	6 pcs.
¼” Plastic Retaining Washer	6 pcs.
8” Cable Tie	6 pcs.

NEEDED FOR INSTALL *Not included*

- ½” electrical conduit fitting (for power supply only)
- ½” flexible conduit (for AC line input)
- Phillips screwdriver #2 drive
- 5/32” hex drive wrench
- Optional: ½” conduit and fittings for additional starter benches

Lighting kits should be moved in their shipping packaging to a location in close proximity to their final installed location. Carefully remove the packaging materials and inspect the units for any damage that may have occurred during shipping. If damage has occurred, immediately report this to the shipping carrier at the time of delivery.

CAMINO BENCH LIGHTING Installation / Assembly Instructions

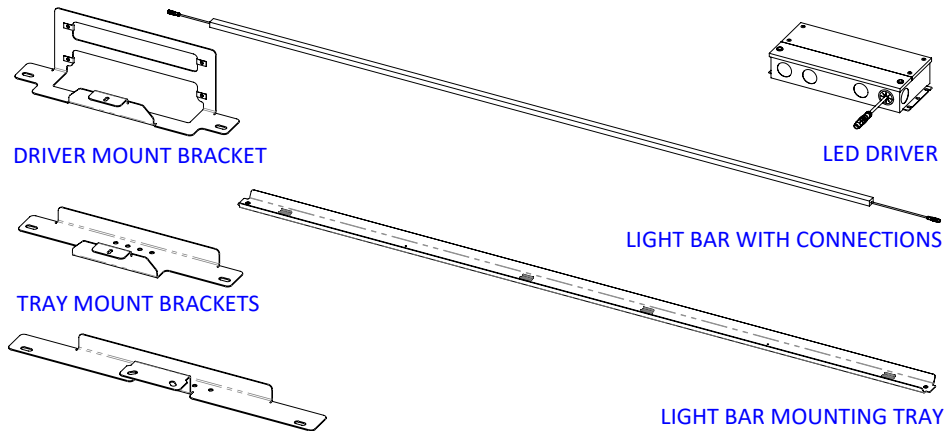


STEP 1 – Identify Kit-to-Bench

Match bench light kit (starter or adder) to bench shape and its location within any layout. Light kit should be labeled for the bench shape (90, 45, 45B, 60, or 60B) and with an S (starter) or A (adder).

STEP 2 – Identify Parts

Unpack and identify the kit components. Starter and adder kits will contain similar components.



NOTE: There are different bench shapes and the brackets for the ends will be unique to that shape bench. Likewise, the light bar tray and light bar itself will be unique for the bench shape.

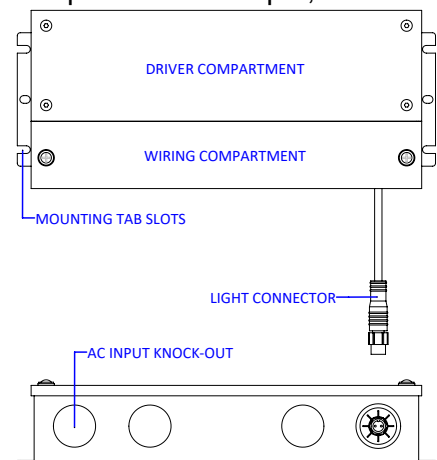
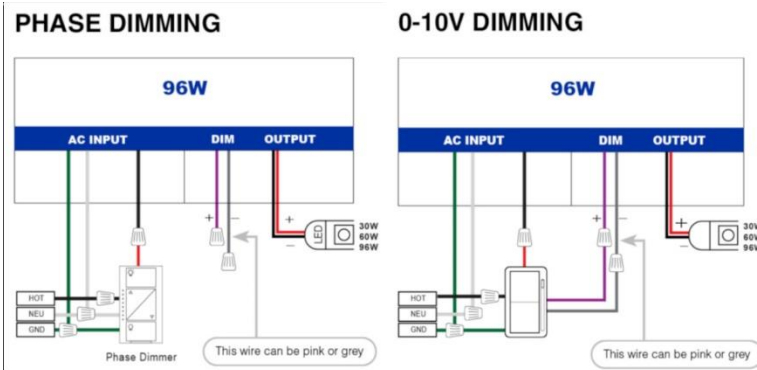
STEP 3 – Power Location

Locate the AC line voltage for the site. A bench at that location will typically require a starter light kit. From the AC line voltage junction box, install a 1/2" flexible conduit in the length required to reach the LED driver at its installed location on the bench.

⚠ More than one AC line voltage location may be available. A starter light kit may be placed at each of those locations if required (dependent on the number of benches connected to a single driver).

STEP 4 – Power Connection for Driver

Connect line voltage (110-277V) to the LED driver. This step can be completed after Step 5, if desired.



⚠ One LED driver can power no more than four (4) LED strips. One or more additional LED drivers will be needed for bench groups with five (5) or more LED kits.

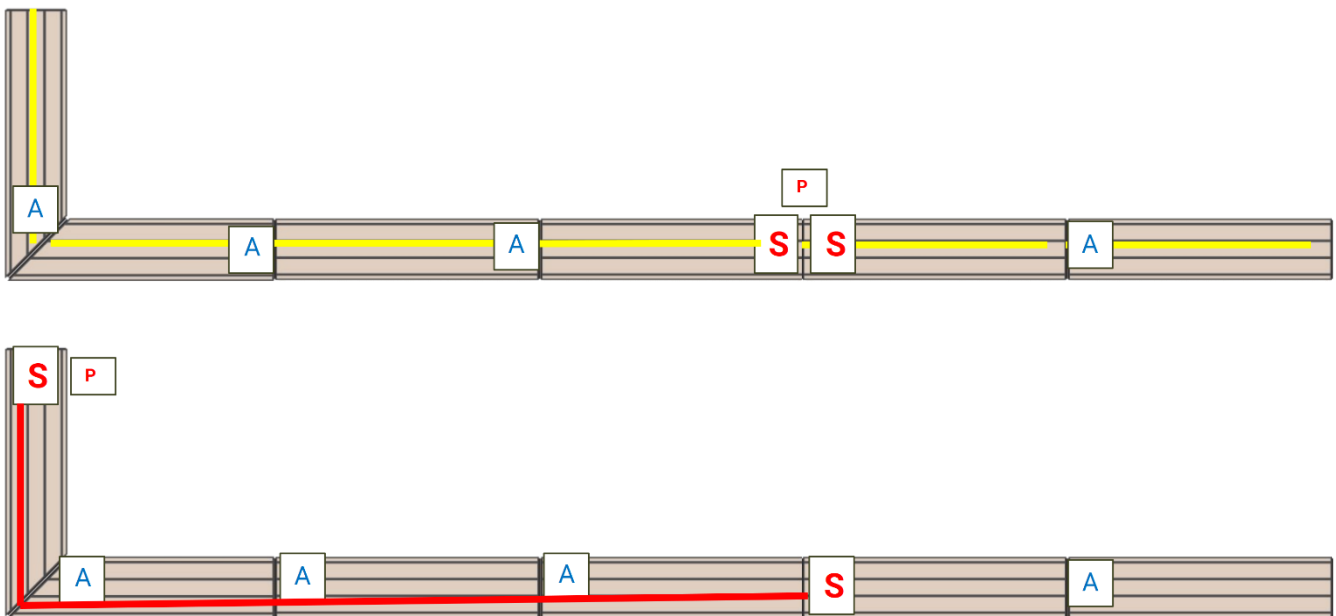
CAMINO BENCH LIGHTING Installation / Assembly Instructions



Multiple Power Connections

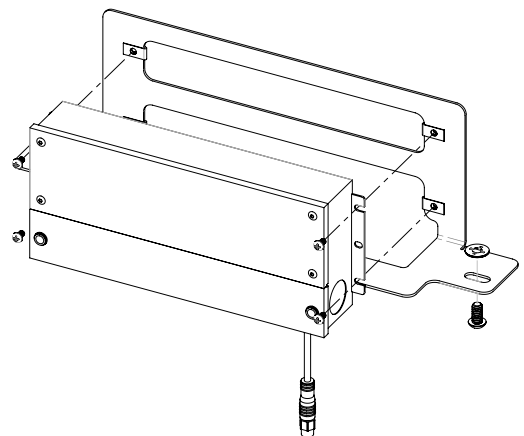
No more than four (4) bench lighting units can be powered by a single power supply/ LED driver within a starter kit. When there is a requirement for multiple lighting starter kits, each LED driver in those kits will require a line voltage connection. This may be accomplished by bringing the line voltage to each driver location or may be accomplished serially by installing conduit from one driver location to another.

The first illustration below shows the drivers on two starter kits located adjacent to one another. This allows the site line voltage to be brought to one location and then split to power each of the two drivers. The second illustration shows two starter kits located such that the line voltage is carried through conduit that is installed within the benches. P = Input voltage, S = Starter light, A = Adder light.



STEP 5 – Install End Bracket 1

Attach wired LED driver to the mounting bracket using supplied #6 screws (4x). The driver should be inserted through bottom opening of bracket if conduit is already installed. Optionally, the driver box can be installed onto bracket before installing conduit and wiring. Prior to installing wired driver and bracket onto bench, place supplied 1/4-20 screws onto bracket using plastic retaining washers. This hardware will be required for installation onto the bench.

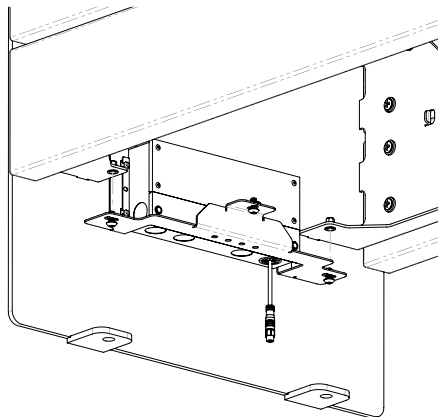


STEP 6A (for starter light kit)

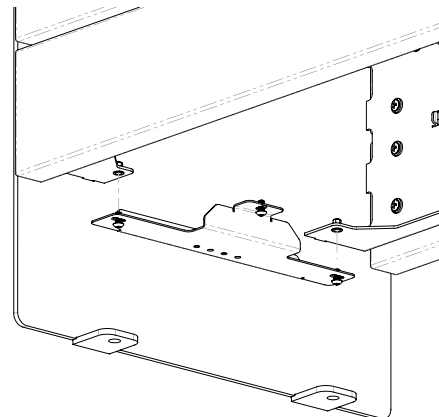
Install LED driver bracket assembly from the above step onto the bench using the captive screws.

STEP 6B (for adder light kit)

Install a tray mounting bracket onto the bench using the captive screws.



STARTER MOUNT



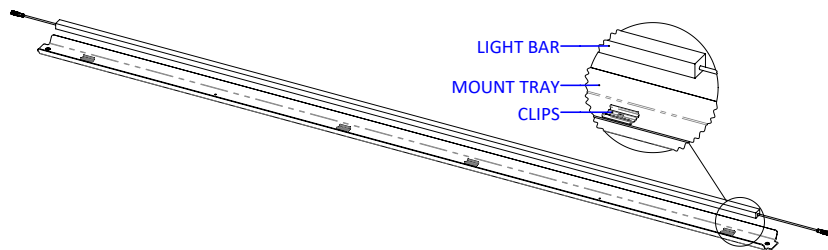
ADDER MOUNT

STEP 7 – Install End Bracket 2

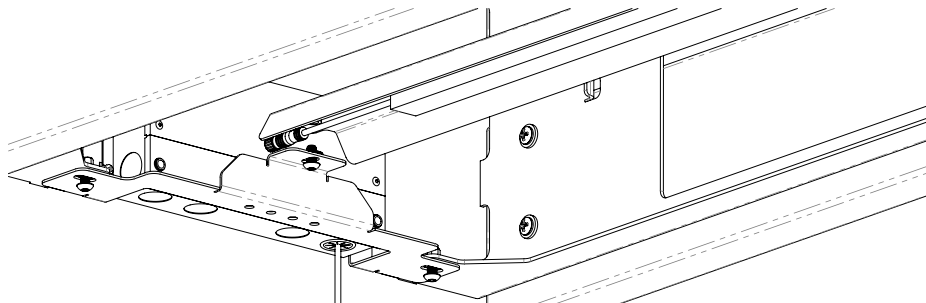
Install the 1/4-20 screws and retaining washer into the slots of the tray mounting bracket and then install the bracket onto opposite end of bench (for a starter kit) or the first tray mounting bracket (adder kit).
 Note: Bracket shape may change depending on bench end (straight, 45°, 60°).

STEP 8 – Install Light Bar

Place the LED light bar onto the light bar tray (mounting bracket) and press onto the attached clips. Make certain the light bar is centered on the tray and firmly attached to the clips. Installation of the light bar to the tray can be done after the bracket is installed but not recommended.

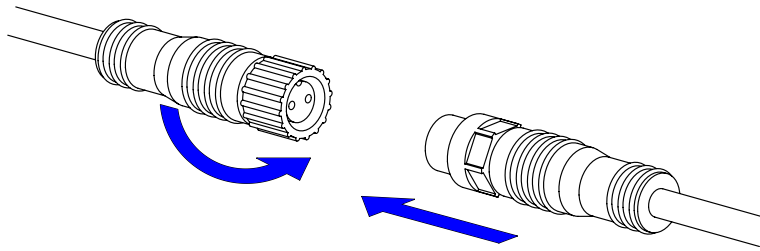


Check the connectors on the light bar to match/mate with the connector from the driver (starter kit) or adjacent light bar connector (adder kit). Lift the light bar and bracket assembly and place it on the two end brackets and anchor into place with the screws captive on the end brackets. For an adder kit, install a tray mounting bracket onto the bench.



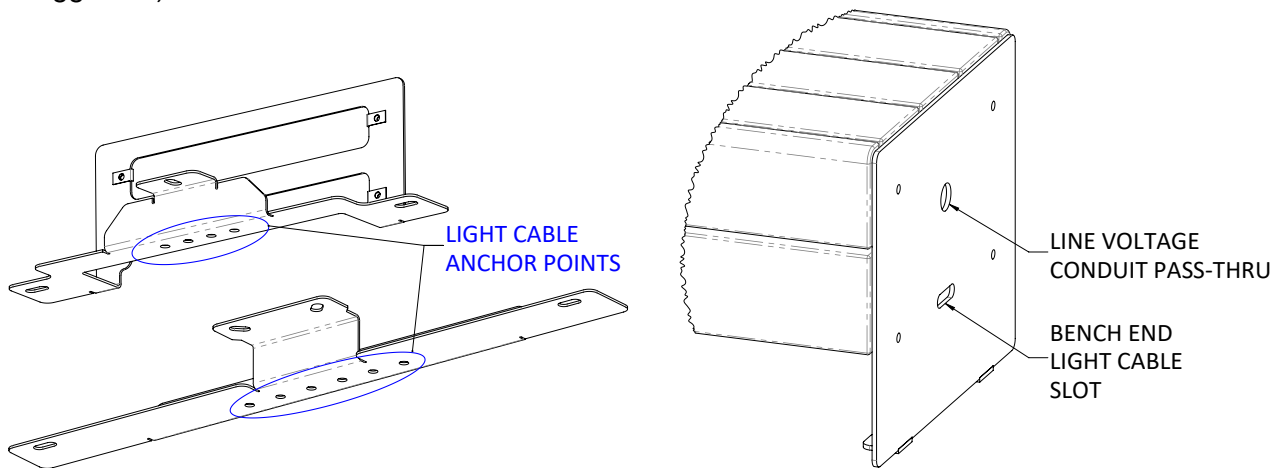
STEP 9 – Connect Lights

Make joining connections using the driver and light bar barrel connections.



STEP 10 – Connecting Adjacent Benches

Each light bar comes with a male and female connector. When installing lights on adjacent benches, make certain that those connectors mate properly. The light cables can be routed through the slot on the bench end plate. The light mounting brackets have holes where the cables can be anchored (zip ties suggested).



When there is a single line voltage input and additional starter light units are required, the line voltage can be split and routed to any additional starter units through conduit (flexible recommended) that is routed through the bench end plate.

Troubleshooting and Fixing LED Light Strips

- 1) Identify the problem: isolate the issue by identifying the symptoms (flickering, color inconsistency, sections not lighting up, etc.).
- 2) Check the connections: inspect all connections for any loose wires, connectors, or corrosion. Poor connections often result in issues such as flickering or dead LEDs.
- 3) Inspect the Power Supply/Driver: test the LED driver is functioning correctly and providing the appropriate voltage and current (24VDC, 1x4 A).
- 4) Consider Replacement: if after the above steps, your strip light is not working, consider replacing the faulty component – it could be the strip itself, the power supply, or the mains power.

Troubleshooting and Fixing LED Driver

- 1) Watch for dimming or flickering light.
- 2) Check for overheating.
- 3) Look for loose connections.
- 4) Test voltage and current levels (110-227VAC input, 24V, 1x4 A output).