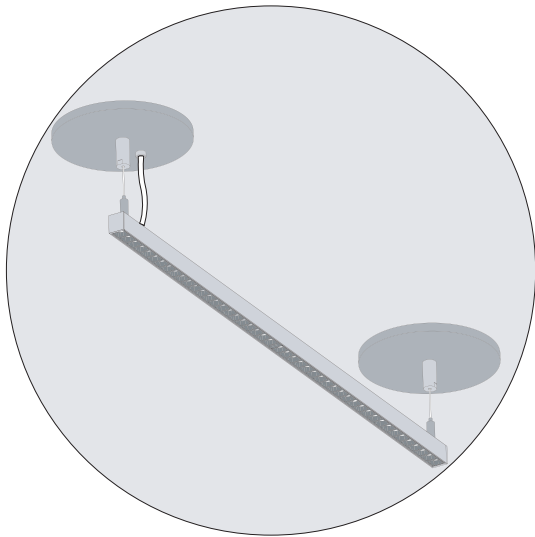


Velino.0 POC

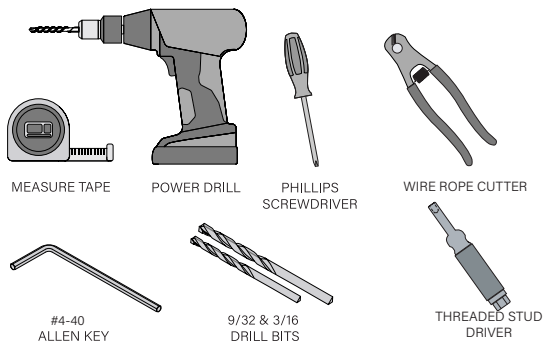
Installation Instruction



⚠ Important Information

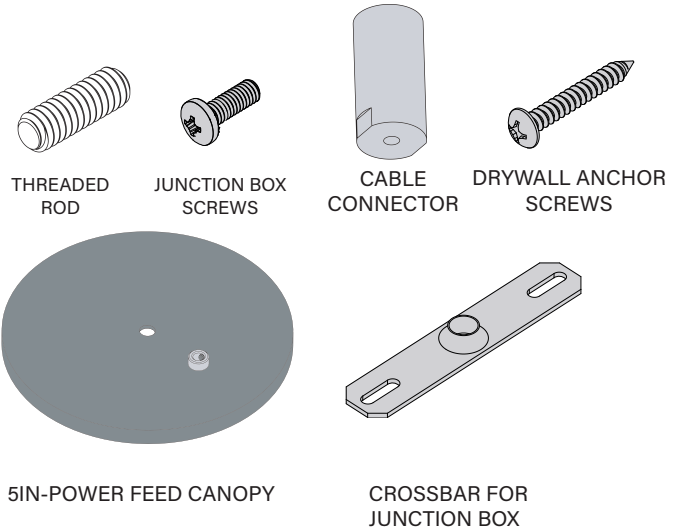
1. This product requires a 24V DC Class 2 power supply.
2. This product is intended to be mounted to the ceiling.
3. Top power available only.
4. Optique recommends connecting the powered end to a junction box and drilling luminaire supports into joists in the ceiling. If joists aren't available, please use supplied drywall anchors. (The following instructions depict the installation

⚙ Required Tools

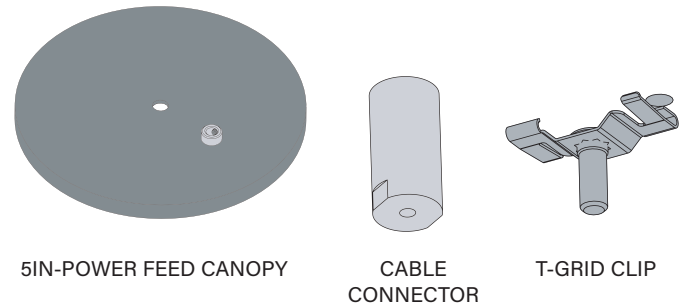


⚙ Supplied Components

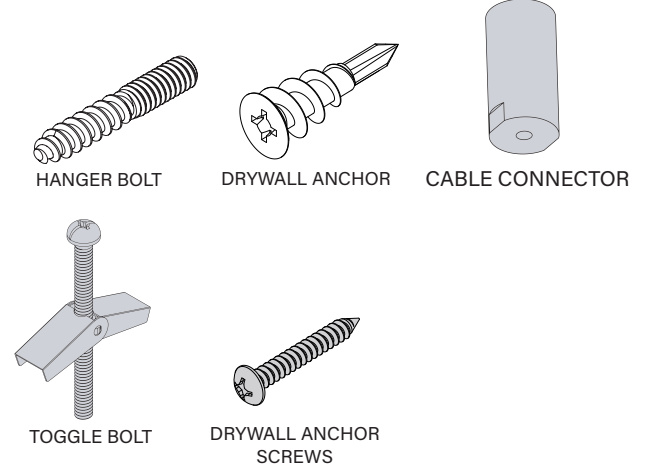
JUNCTION BOX AND NON POWERED CANOPY COMPONENTS



T-GRID COMPONENTS



ANCHORS OPTIONS FOR WOOD AND DRYWALL



Velino.0 POC

Installation Instruction

Section One.

1.1

Determine where Aircraft ends of the suspended luminaire are desired and mark on ceiling above these locations.

1.2

Install junction box at marked end. The PoC canopy system works with positive (+) and negative (-) leads from a 24V Class 2 driver provided.

Section Two.

2.1

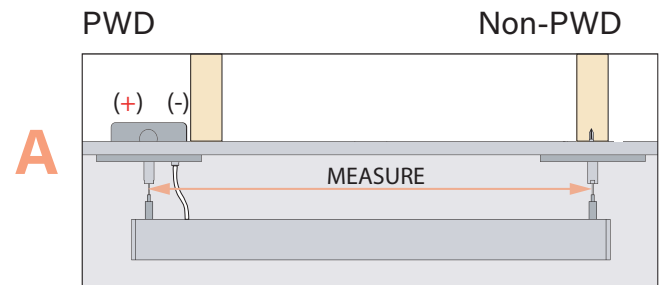
Position the 24V DC Class 2 power supply in a suitable location within 30 feet of the desired luminaire location.

Note: Longer distances are acceptable when using a thicker 12 AWG wire.

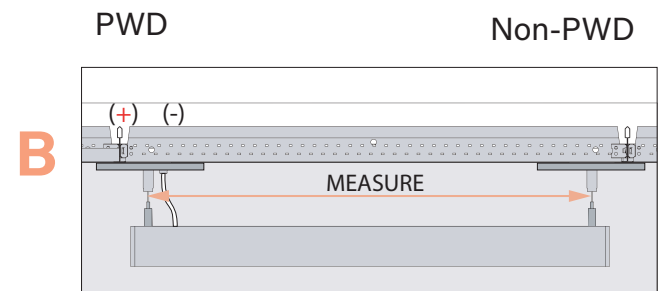
2.2

Run CL2P plenum-rated cable from the 24V Class 2 driver to the location of the junction box. Keep the power disconnected until the installation is complete.

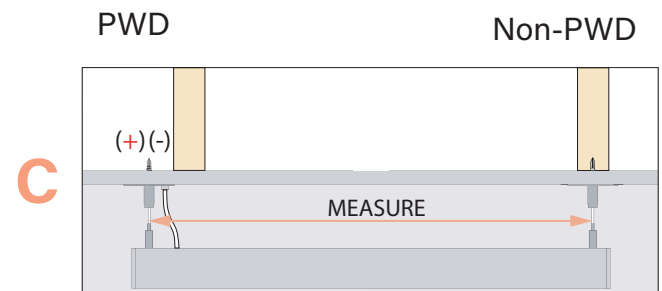
Follow NEC and local codes and guidelines for proper installation.



Junction Box



T-grid



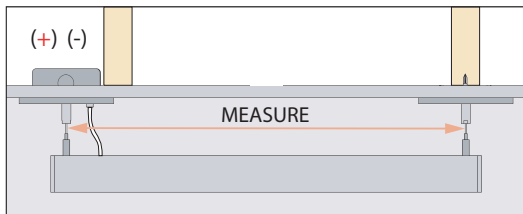
Direct Ceiling

Velino.0 POC

Installation Instruction

Section Three: A Junction Box Installation of Non Powered Canopy

Note: Secure the non-powered canopy kit and suspend the luminaire from that end before installing the powered canopy kit, as it will aid in supporting the luminaire while the power is being wired

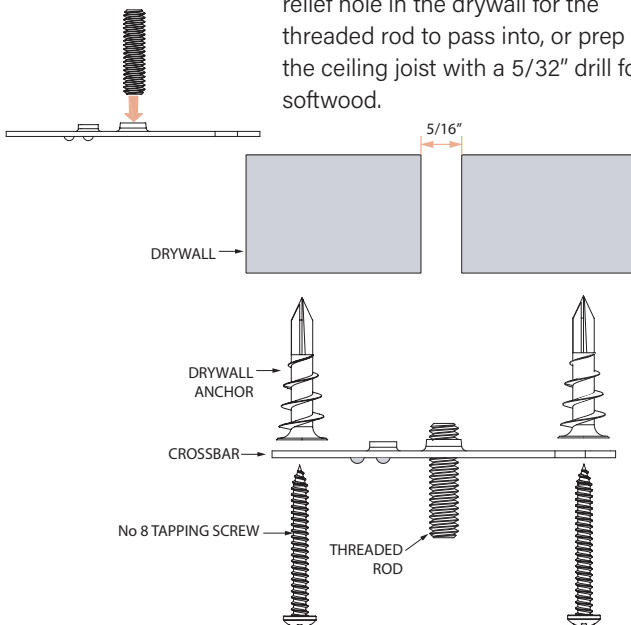


3.1 A

Locate the desired position to mount the non-powered canopy. Mount the crossbar to the ceiling surface. Use the drywall anchor screws and drywall anchors when installing onto drywall ceiling surface.

a. Insert the threaded rod to the center of the crossbar.

b. At the marked location, drill a 5/16" relief hole in the drywall for the threaded rod to pass into, or prep the ceiling joist with a 5/32" drill for softwood.



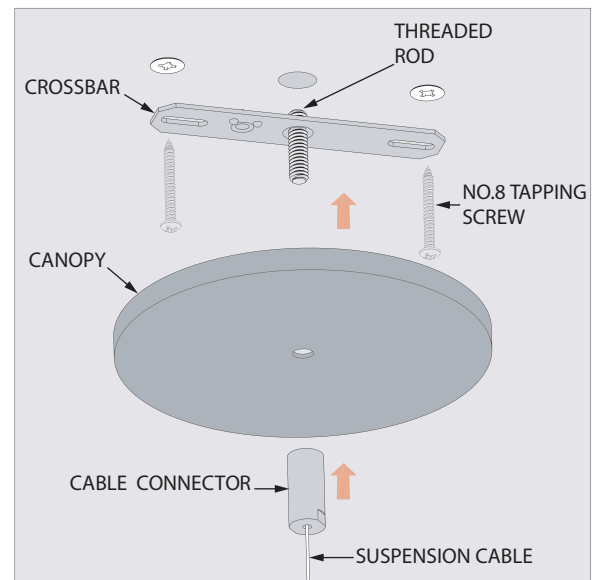
3.2 A

Insert the suspension cables into the cables grippers following the guidelines.

See appendix A for the Using Suspension Cables and Cable Grippers sidebar for detailed instructions on connecting suspension cables to grippers.

3.3 A

Align the center hole of the canopy with the center of the threaded rod in the crossbar, and hold it in place.



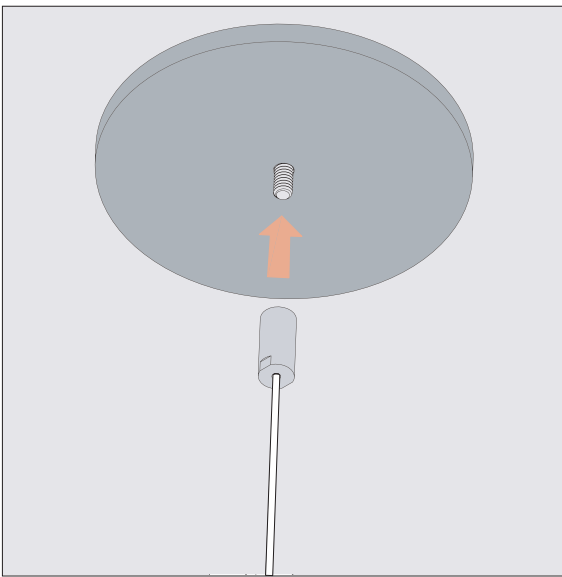
Velino.0 POC

Installation Instruction

3.4 A

Secure the canopy cover by fastening the cable connector onto the threaded rod. Insert the suspension cable into the cable gripper on top of the luminaire, following the guidelines.

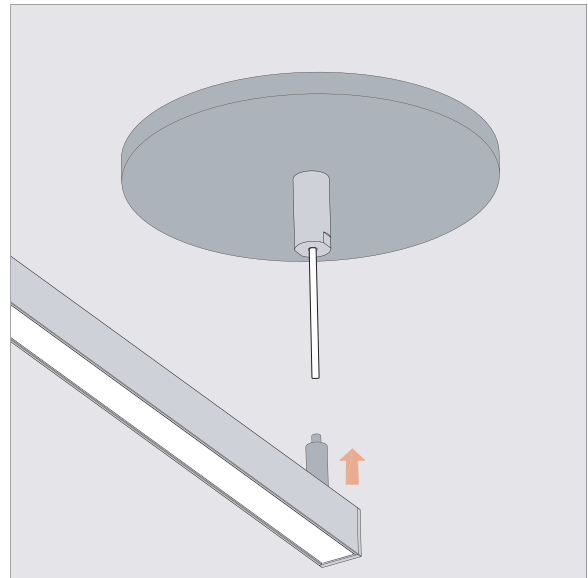
See appendix A for the Using Suspension Cables and Cable Grippers sidebar for detailed instructions on connecting suspension cables to grippers.



3.5 A

Insert the suspension cable into the cable gripper at the luminaire, following the

See appendix A for the Using Suspension Cables and Cable Grippers sidebar for detailed instructions on connecting suspension cables to grippers.

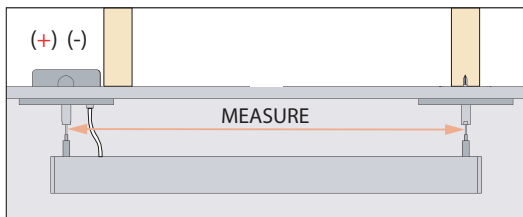


Velino.0 POC

Installation Instruction

Section Three: A JUNCTION BOX INTALLATION OF POWER FEED CANOPY

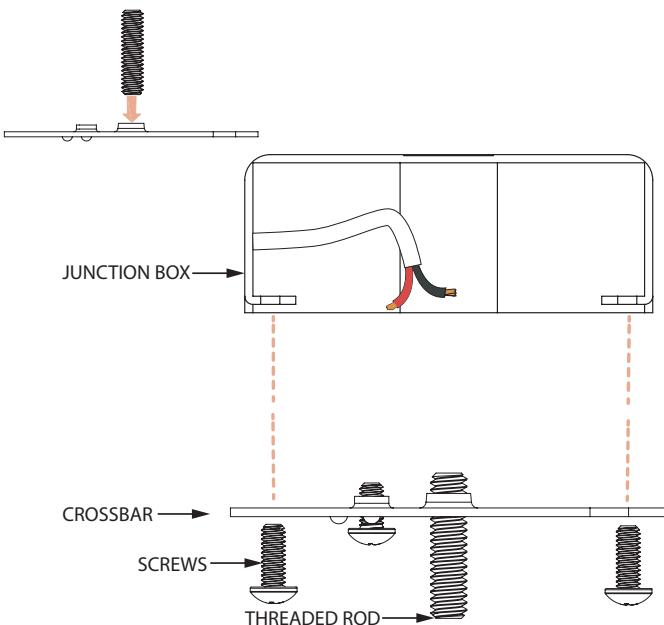
Note: Secure the non-powered canopy kit and suspend the luminaire from that end before installing the powered canopy kit, as it will aid in supporting the luminaire while the power is being wired



3.5A

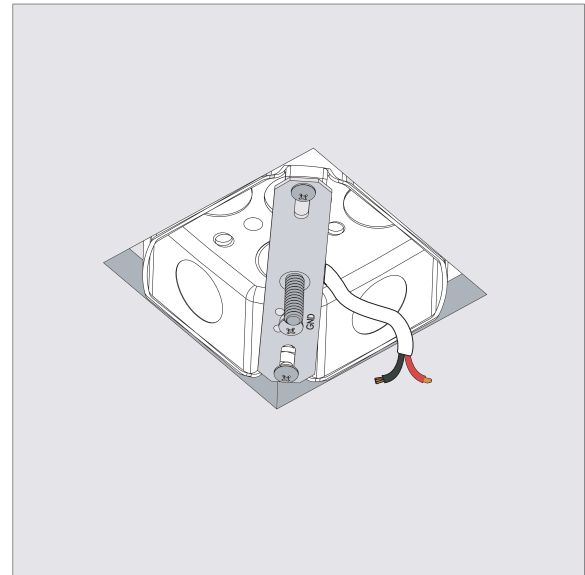
Locate the junction box to mount the power feed canopy. Mount the crossbar to the junction box. Use the junction box screws when installing onto junction box screw holes.

a. Insert the threaded rod to the center of the crossbar.



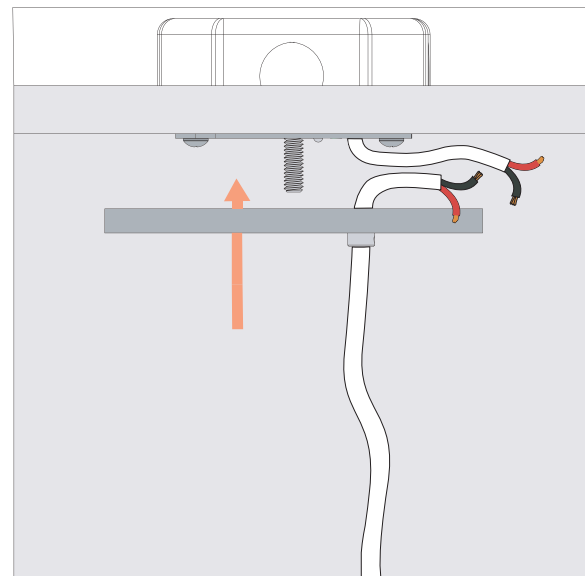
3.6 A

Pull out the 24V low-voltage cable from the junction box to make further connections.



3.7 A

Pass the low-voltage cord from the Velino luminaire through the strain relief in the canopy, and secure with the nylon set-screw provided to the desired length. Strip the cord as necessary.



Velino.0 POC

Installation Instruction

3.8 A

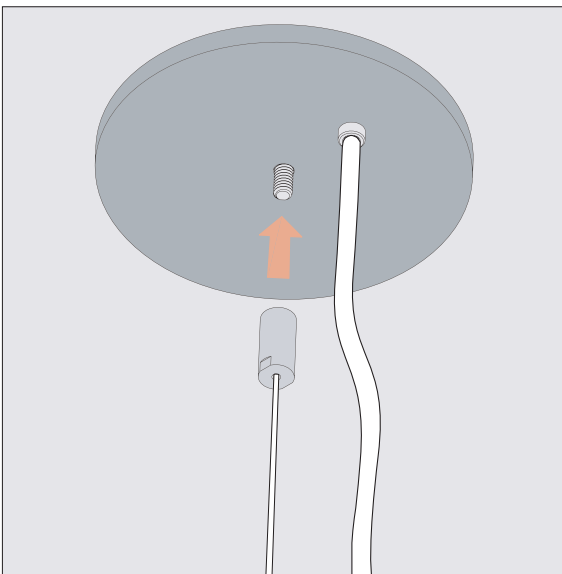
Connect the lead wires from the cable in the junction box to that from the luminaire with the splicing connectors provided; match the color-coded wires: red is positive (+) and black is negative (-).

- a. Place connected low-voltage wires into the junction box in the ceiling. Follow NEC and local guidelines for proper installation.

3.9 A

Secure the canopy cover by fastening the cable connector onto the threaded rod. Insert the suspension cable into the cable connector, following the guidelines.

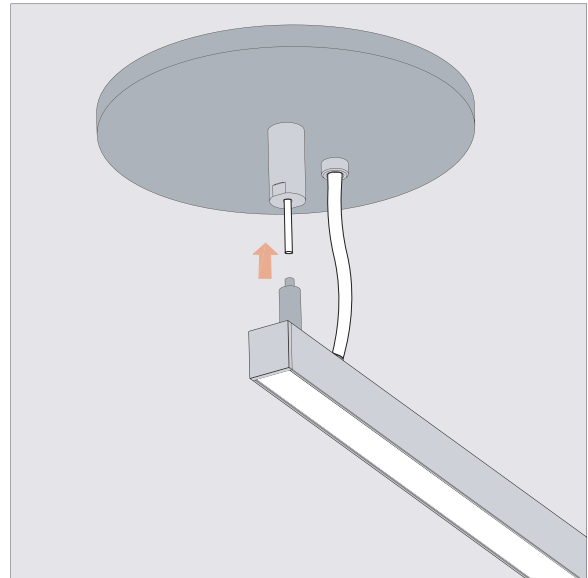
Note: See appendix A for the Using Suspension Cables and Cable Grippers sidebar for detailed instructions on connecting suspension cables to grippers.



3.10 A

Insert the suspension cable into the cable gripper at the luminaire, following the

See appendix A for the Using Suspension Cables and Cable Grippers sidebar for detailed instructions on connecting suspension cables to grippers.

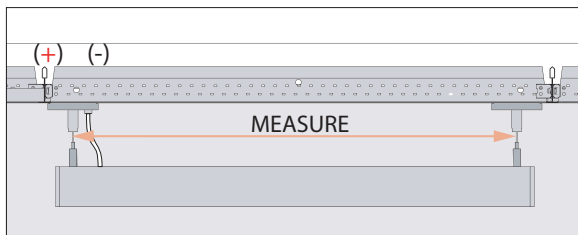


Velino.0 POC

Installation Instruction

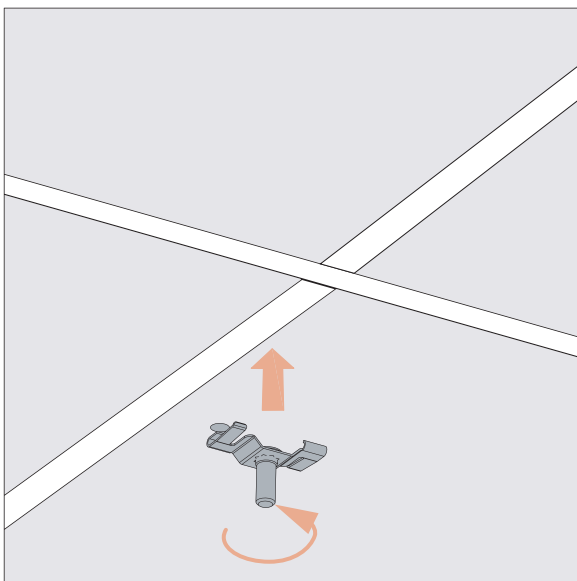
✂ Section Three: Part B T-Grid Clip Canopy Installation Non-powered-canopy

The distance between the suspension points for any luminaire must match the horizontal measurement between the cable grippers on the luminaire.



3.1 B

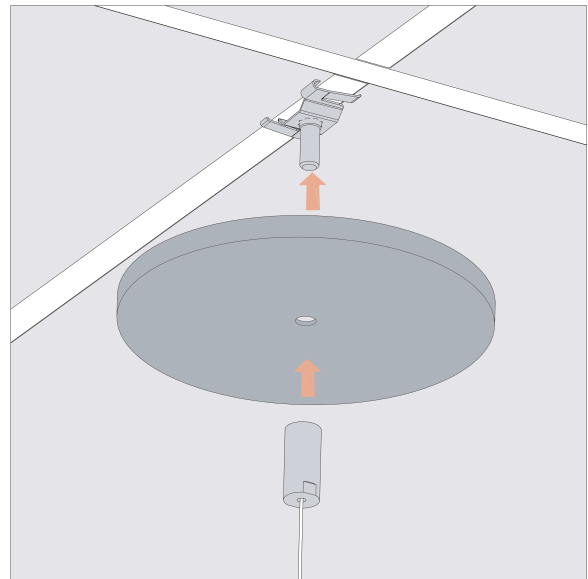
Place the T-grid clips at the desired location on the T-grid beam. Mount the T-grid clips onto the T-grid beams by twisting and locking into place. Follow the measurement between the cable grippers on the luminaire in order to keep the suspension cables vertical.



3.2 B

Secure the canopy cover by fastening the cable connector onto the threaded rod. Insert the suspension cable into the cable connector, following the guidelines.

Note: See appendix A for the Using Suspension Cables and Cable Grippers sidebar for detailed instructions on connecting suspension cables to grippers.



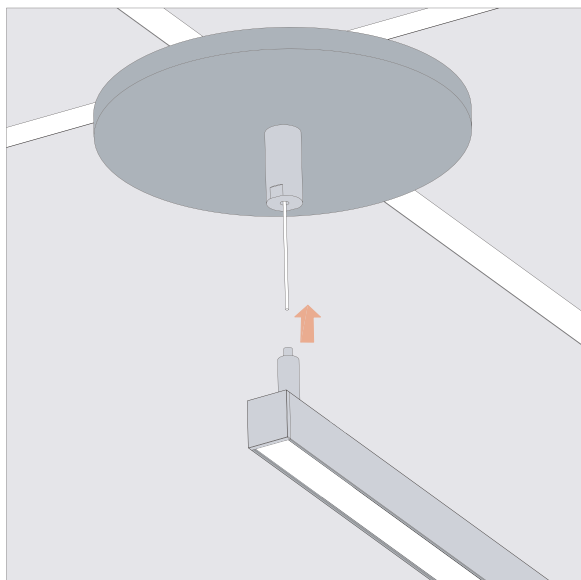
Velino.0 POC

Installation Instruction

3.3 B

Insert the suspension cable into the cable gripper at the luminaire, following the

See appendix A for the Using Suspension Cables and Cable Grippers sidebar for detailed instructions on connecting suspension cables to grippers.

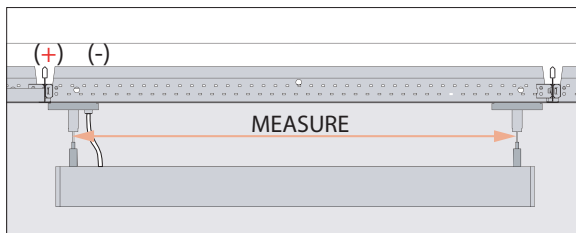


Velino.0 POC

Installation Instruction

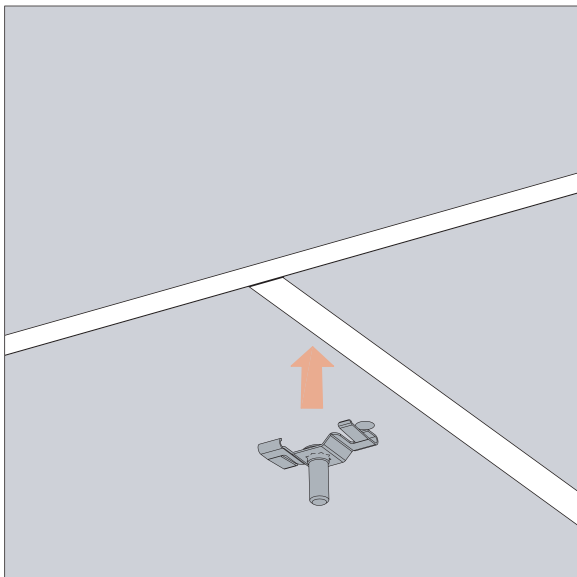
✂ Section Three: Part B T-Grid Clip Canopy Installation PWD canopy

Note: The distance between the suspension points for any luminaire must match the horizontal measurement between the cable grippers on the luminaire.



3.4 B

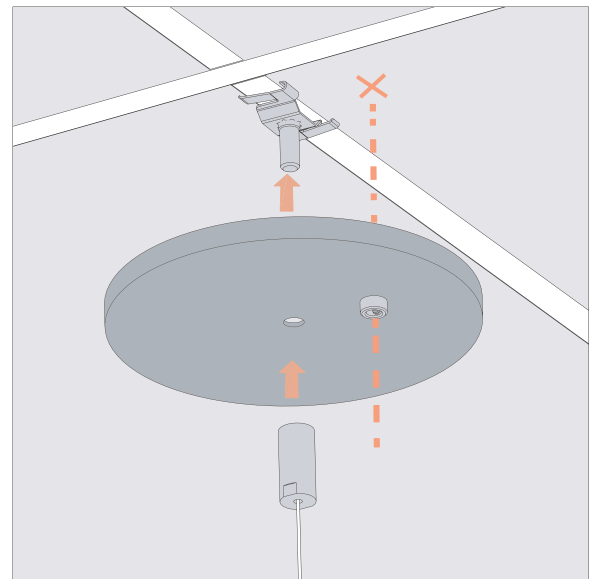
Place the T-grid clips at the desired location on the T-grid beam. Mount the T-grid clips onto the T-grid beams by twisting and locking into place. Follow the measurement between the cable grippers on the luminaire in order to keep the suspension cables vertical.



3.5 B

Rotate the canopy so the power cable strain relief is positioned under the portion of the suspended ceiling tile where you want the power cord to pass through. Mark the position through the strain relief, then remove the canopy. Insert the suspension cable into the cable connector, following the guidelines.

See appendix A for the Using Suspension Cables and Cable Grippers sidebar for detailed instructions on connecting suspension cables to grippers.



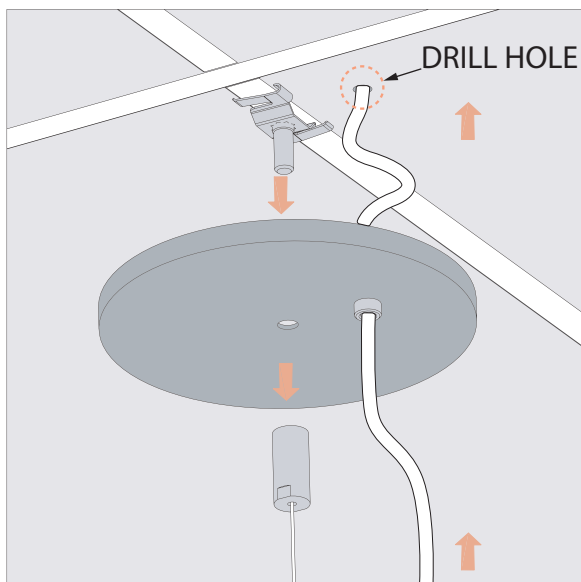
Velino.0 POC

Installation Instruction

3.6 B

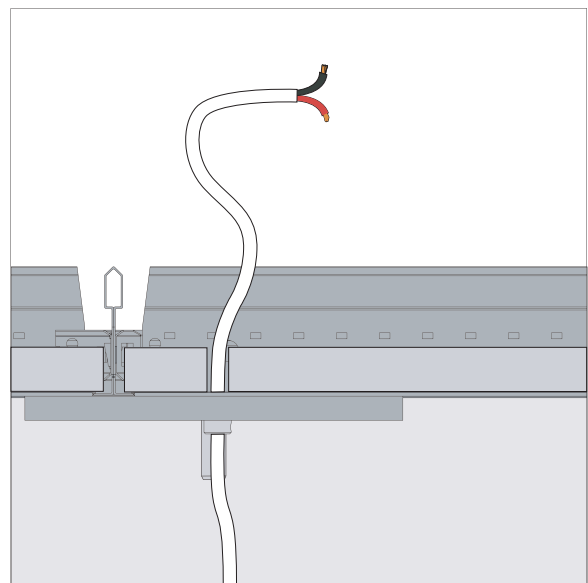
Drill a 1/4" hole through the suspended ceiling tile where it was marked.

Pass the plenum-rated power cord from the luminaire through the strain relief in the canopy and through the hole in the ceiling tile.



3.7B

Feed the power cord into the plenum above the ceiling tiles until the desired length of cord is reached; support the luminaire as necessary.



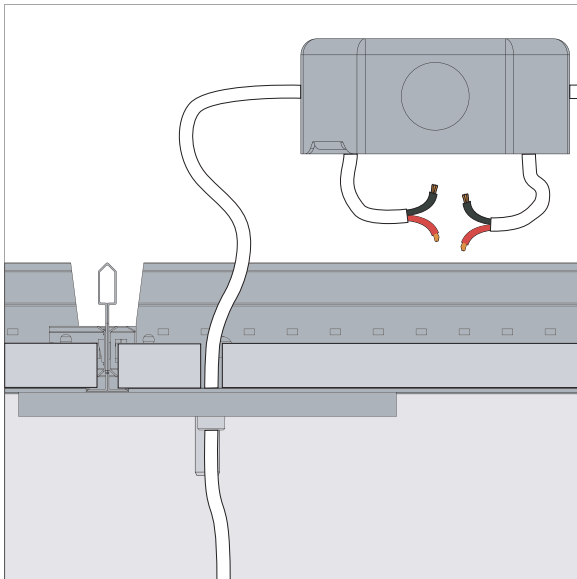
Velino.0 POC

Installation Instruction

3.8 B

Terminate the end of the cable within a junction box to connect to power with the driver. Connect the lead wires from the cord in the junction box to that from the luminaire with the splicing connectors provided; match the color-coded wires: red is positive (+) and black is negative (-).

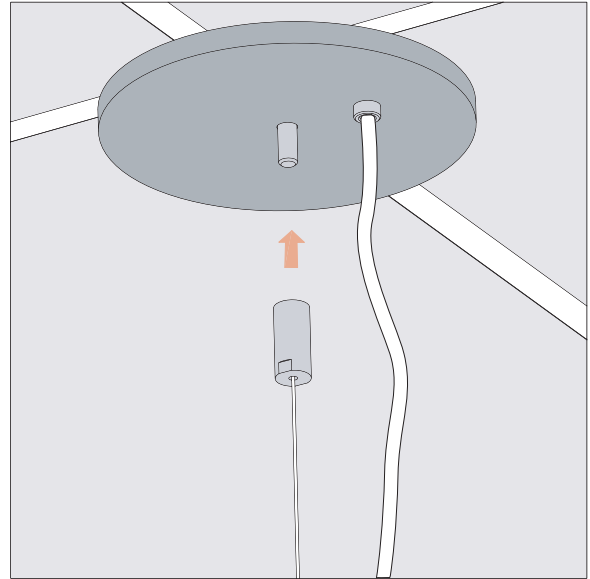
Follow NEC and local guidelines for proper installation.



3.9 B

Secure the canopy cover by fastening the cable connector onto the threaded rod. Then secure the cord in the strain relief using the nylon set screw provide. Insert the suspension cable into the cable connector, following the guidelines.

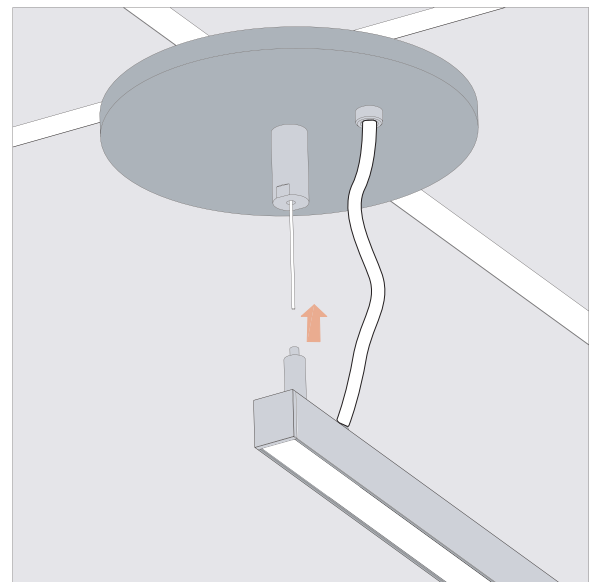
Note: See appendix A for the Using Suspension Cables and Cable Grippers sidebar for detailed instructions on connecting suspension cables to grippers.



3.10 B

Insert the suspension cable into the cable gripper at the luminaire, following the guidelines.

Note: See appendix A for the Using Suspension Cables and Cable Grippers sidebar for detailed instructions on connecting suspension cables to grippers.



Velino.0 POC

Installation Instruction

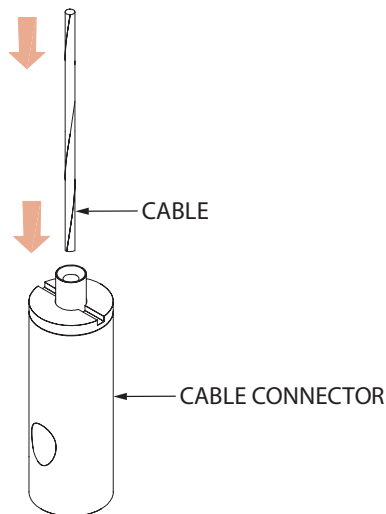
OPTIQUE

Appendix A.

How to use suspension cables and cable grippers

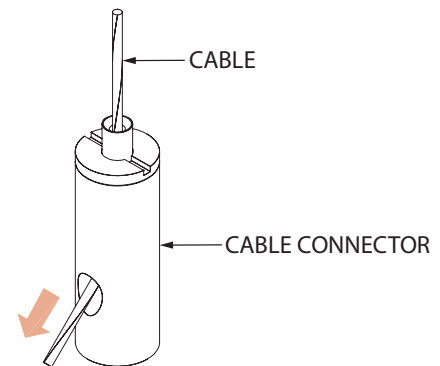
Preparing the suspension cables

The luminaire must be installed at least 7' from the floor. Cut the suspension cable to the desired length, using a stainless steel cable cutter, such as the Felco C7. Avoid fraying the ends of the cable, which will make installation to the cable gripper on the luminaire difficult. Prepare cables in advance, by cutting to desired length, and by soldering the tips or using super-glue to prevent the tip of the cable from fraying. For best results, use a portable fuse cutter than fuses the end automatically, such as the Alligator.



Feeding the suspension cable into the cable gripper
Insert the tip of the suspension cable into the cable gripper, pushing down the plunger on the top of the gripper to help feed the cable through. The end of the cable must extend at least 1" beyond the body of the

DO NOT FEED EXCESS CABLE INTO A LIGHTING LUMINAIRE HOUSING OR JUNCTION BOX CONTAINING ELECTRICAL WIRING.



CAUTION

The cable suspension system is not for outdoor use, and should not be exposed to water, wind, chemicals (e.g. from indoor swimming pools), or be allowed to sway continuously, which can cause metal fatigue leading to cable failure; avoid placing close to HVAC vents.

The standard cable gripper suspension system is intended for flat ceilings only. For angled ceilings, use the kits containing the sloped ceiling couplers.