

HP-3 Recessed T-Bar Installation Instructions

Overview

NOTES

- If luminaire contains a sensor refer to the appropriate Addendum.
- All power connections should be installed according to local/national codes by a Certified Electrician.
- This installation requires proper support as each luminaire is being installed.
- **DO NOT** attempt to join luminaires together on the floor. Damage may result when lifted.



HELPFUL
VIDEOS



0-10V
Dimming



Effortless
Access



Simple
Plug-Together
Wiring

Step 1
T-Bar Dimensions
& Mounting Types
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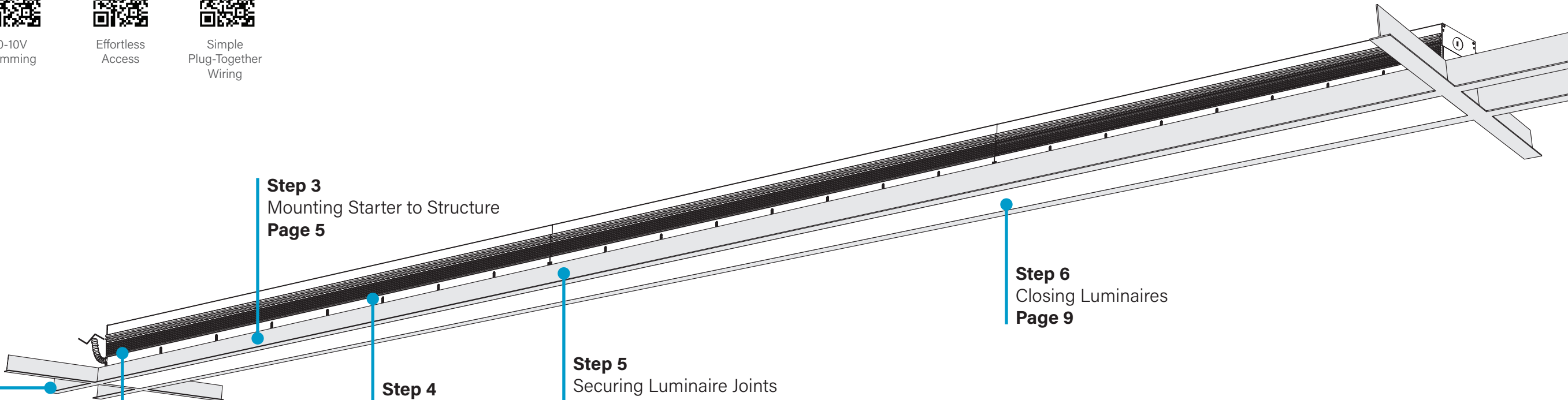
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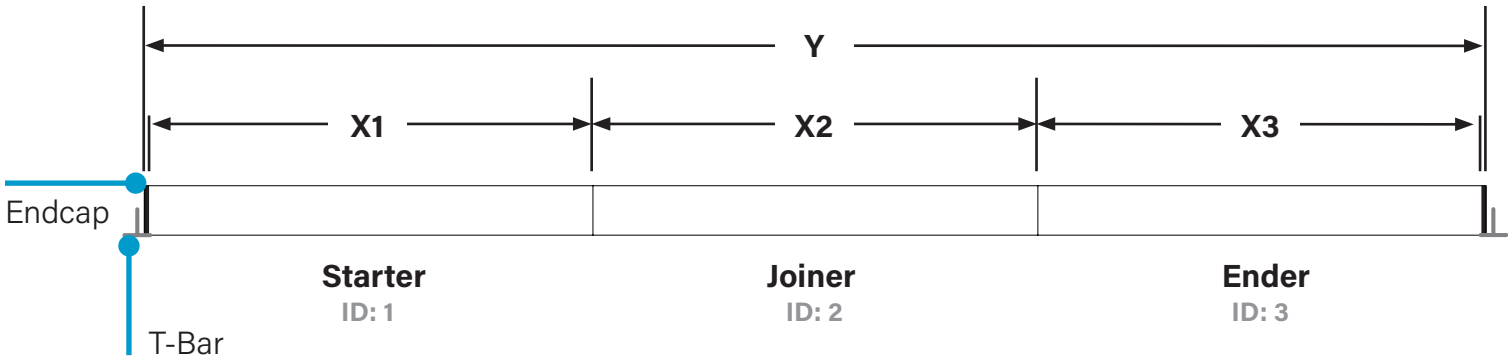
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HP-3 Recessed T-Bar Installation Instructions

Step 1 - T-Bar Dimensions & Mounting Types

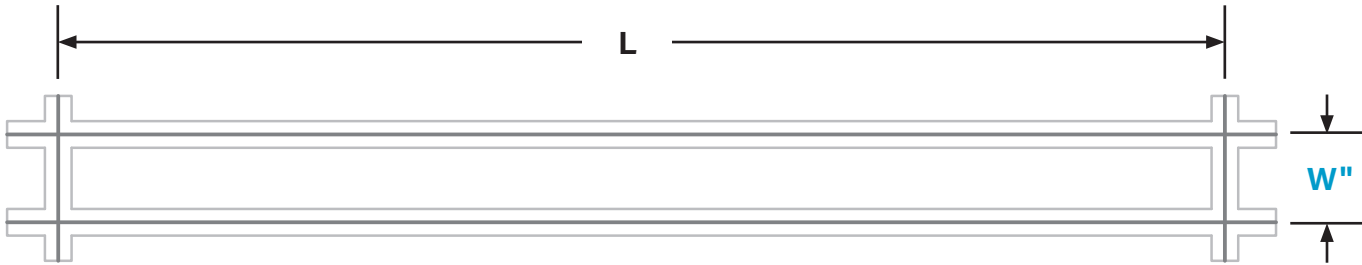
Total Run Length



X = Luminaire section length (**Does not include endcaps**)
Y = Total run length of luminaire (**Includes 1/8" for BOTH endcaps**)
Endcap = 1/16"

Refer to Record Drawings and building plans to determine exact mounting, suspension points, and power feed locations.

T-Bar Build Dimensions



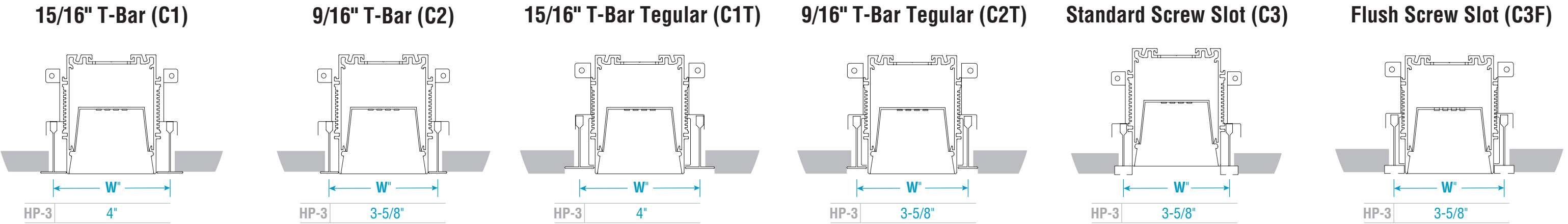
	L = Total Run T-Bar Length
HP-3 R T-Bar	Y + 1"

W = T-Bar Width
Center to center of T-Bar. Tolerance: +/- 1/16"
Construct T-Bar ceiling for luminaire placement based on length and width dimensions per diagram.

HP-3 Recessed T-Bar Installation Instructions

Step 1 - T-Bar Dimensions & Mounting Types

Mounting Types & T-Bar Width




- **NOTE:** Only for standard 2x4 or 2x2 T-Bar ceiling, the starter luminaire is purposefully short by 1-1/8" to ensure fit in T-Bar types, shown above.
- The luminaire endcaps and end flanges cover any gaps to ensure smooth flush appearance at the ends.

W = T-Bar Width

HP-3 Recessed T-Bar Installation Instructions

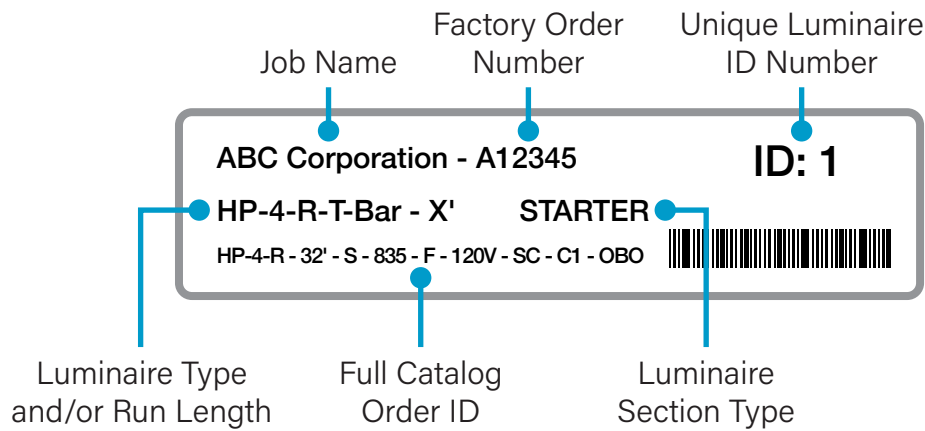
Step 2 - Identification & Preparation

A. Identify Luminaires



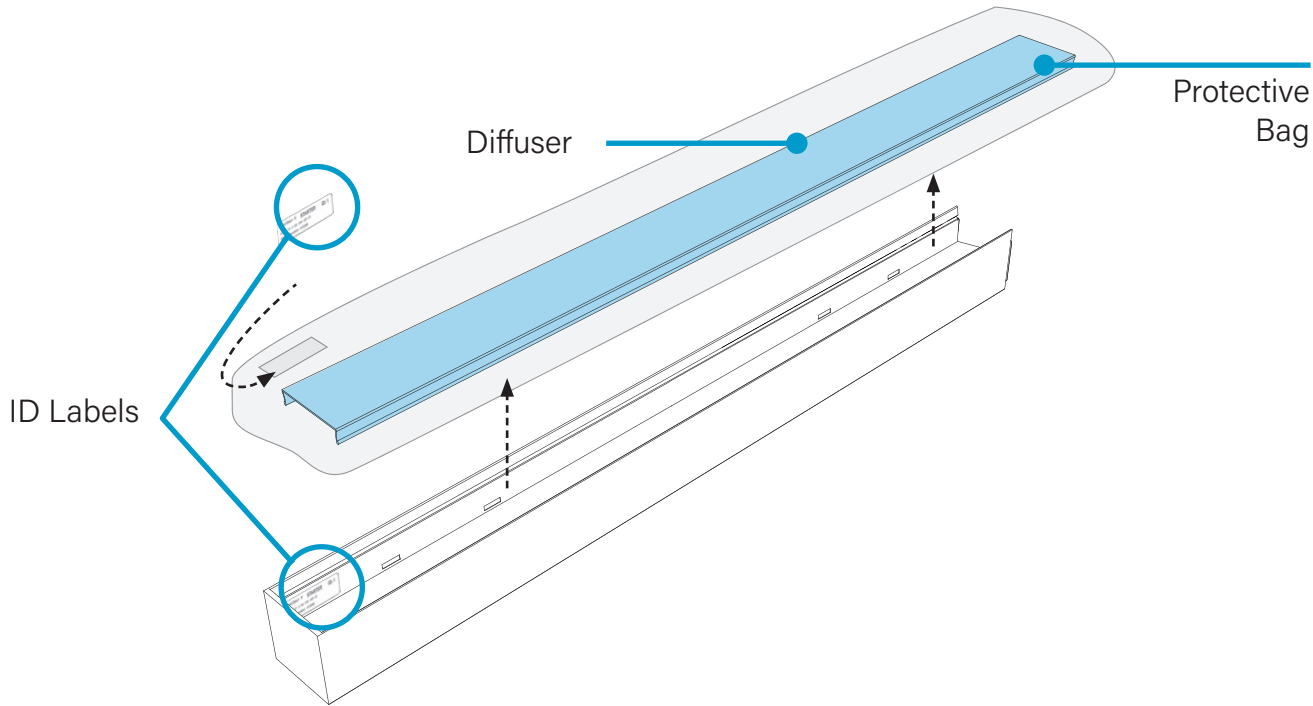
CAUTION

Arrange luminaires in order according to ID# at their install locations.



- Identify all luminaires by their ID label that can be found on the box, the diffuser, and inside the luminaire.
- **NOTE:** Exact location of labels in these areas may vary.
- Remove all luminaires from their box.
- Refer to Record Drawings that can be found in the hardware kit.

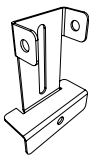
B. Remove Diffusers



- Carefully remove all diffusers, keeping them inside their protective bags.
- Set aside all diffusers to prevent from getting dirty or damaged.
- Ensure diffusers can be clearly identified back to their corresponding luminaire.

Kitted Hardware

- Finelite has provided items listed here, with their Finelite part numbers. These items can be found in separate boxes shipped with the luminaire.
- Account for all parts and set aside until they are needed.
- All other hardware needed for this installation will be by others.



T-Bar Bracket (C1, C2, C3)
Part# 45651

T-Bar Bracket (C1T, C2T, C3F)
Part# 27038



#8 Self-Drilling Screw
Part# 94138
Closing Luminaires
p. 9, Step 7

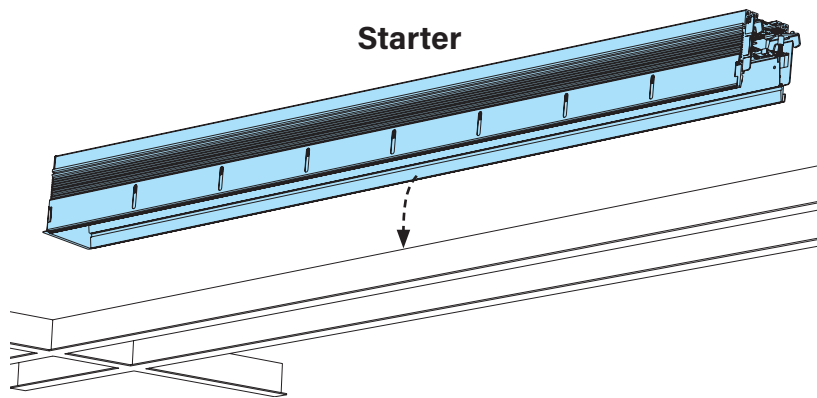


#6 Self-Drilling Screw
Part# 94054
Closing Luminaires
p. 9, Step 7

HP-3 Recessed T-Bar Installation Instructions

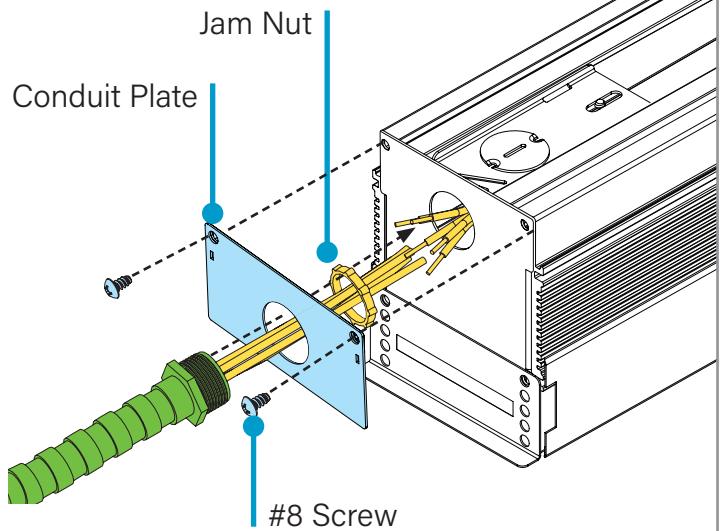
Step 3 - Mounting Starter to Structure

A. Mount Starter to Structure



- Maneuver luminaire into ceiling space above T-Bar ceiling.
 - Lower luminaire into place onto T-Bar.
 - Make electrical connections at **ENDCAP**, or at **TOP**.
 - If there is no joiner/ender, then tighten nuts fully.
- PROCEED TO STEP 7, B.**

B. Make Electrical Connections

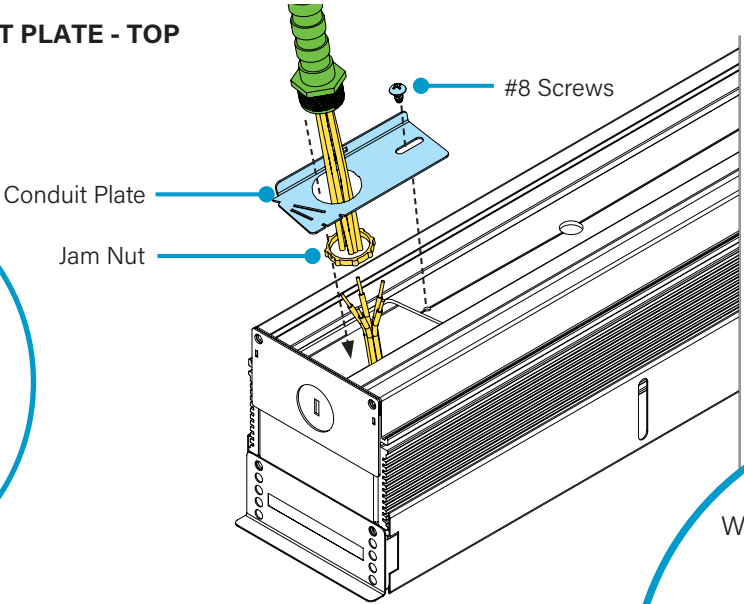


- CONDUIT PLATE - ENDCAP (Standard)**
- Remove two screws holding conduit plate.
 - Install conduit and jam nut onto conduit plate.
 - Wire-nut electrical connections. See wiring legend above.
 - Reinstall conduit plate and screws. Do not damage any wires.

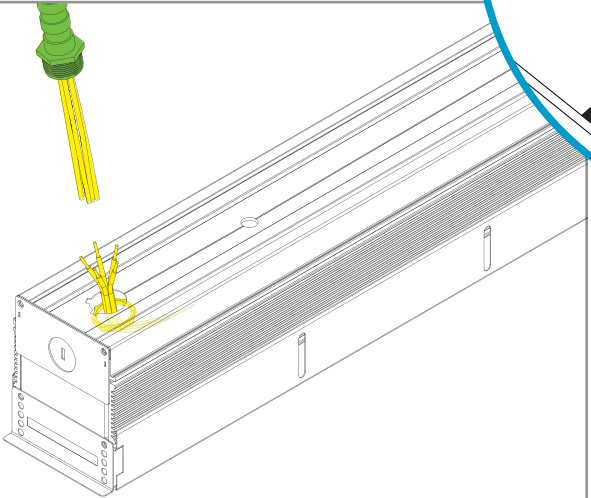
WIRING LEGEND

Black	Hot	Line Voltage
White	Neutral	Line Voltage
Green	Ground	
Pink	Dimming	0-10V DC
Purple	Dimming	0-10V DC

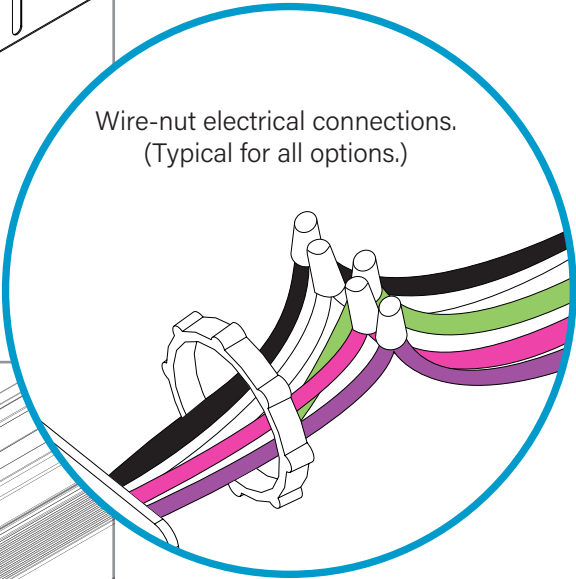
CONDUIT PLATE - TOP




- Remove screw holding conduit plate.
- Install conduit and nut onto conduit plate.
- Wire-nut electrical connections. See wiring legend above.
- Reinstall conduit plate and screw. Do not damage any wires.



- CONDUIT KO - TOP**
- Install conduit and nut onto KO.
 - Wire-nut electrical connections. See wiring legend above.



 Flex Conduit
(by others)



0-10V
Dimming

HP-3 Recessed T-Bar Installation Instructions

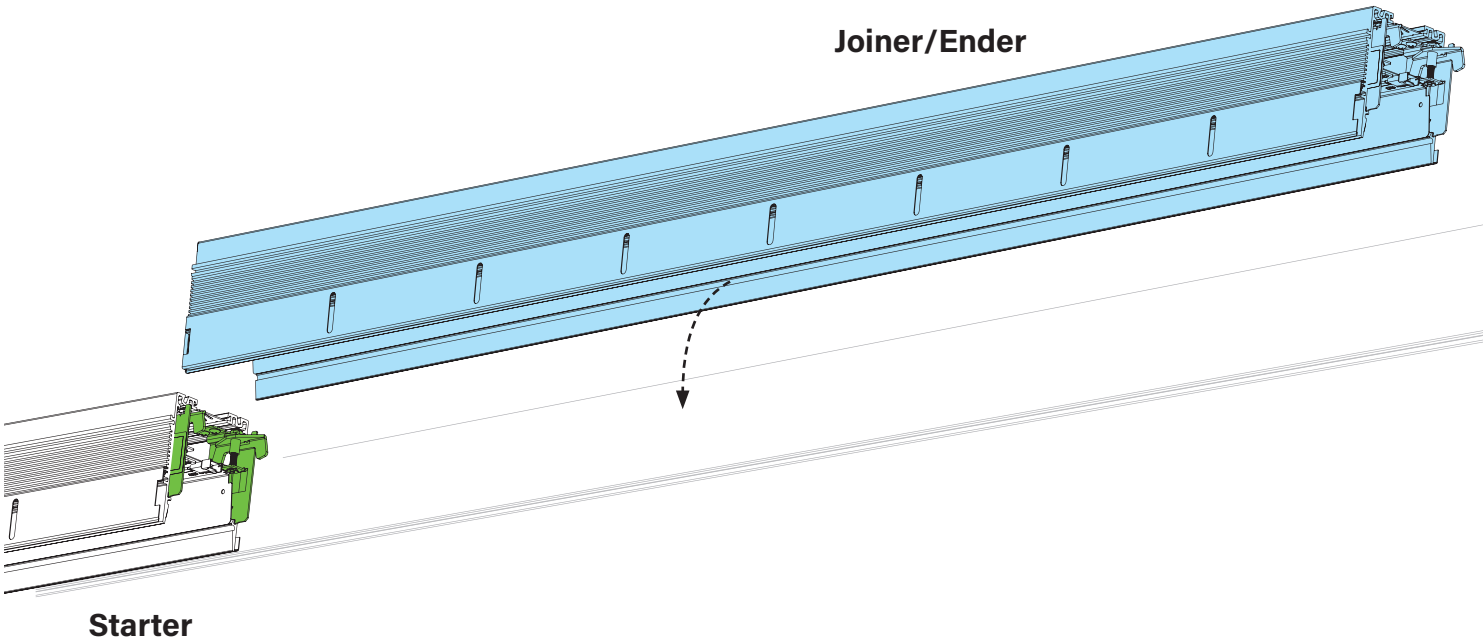
Step 4 - Joining Luminaires

A. Mount Joiner/Ender to Structure



CAUTION

DO NOT attempt to join luminaires together on the floor. Damage may result when lifted. Follow these instructions.



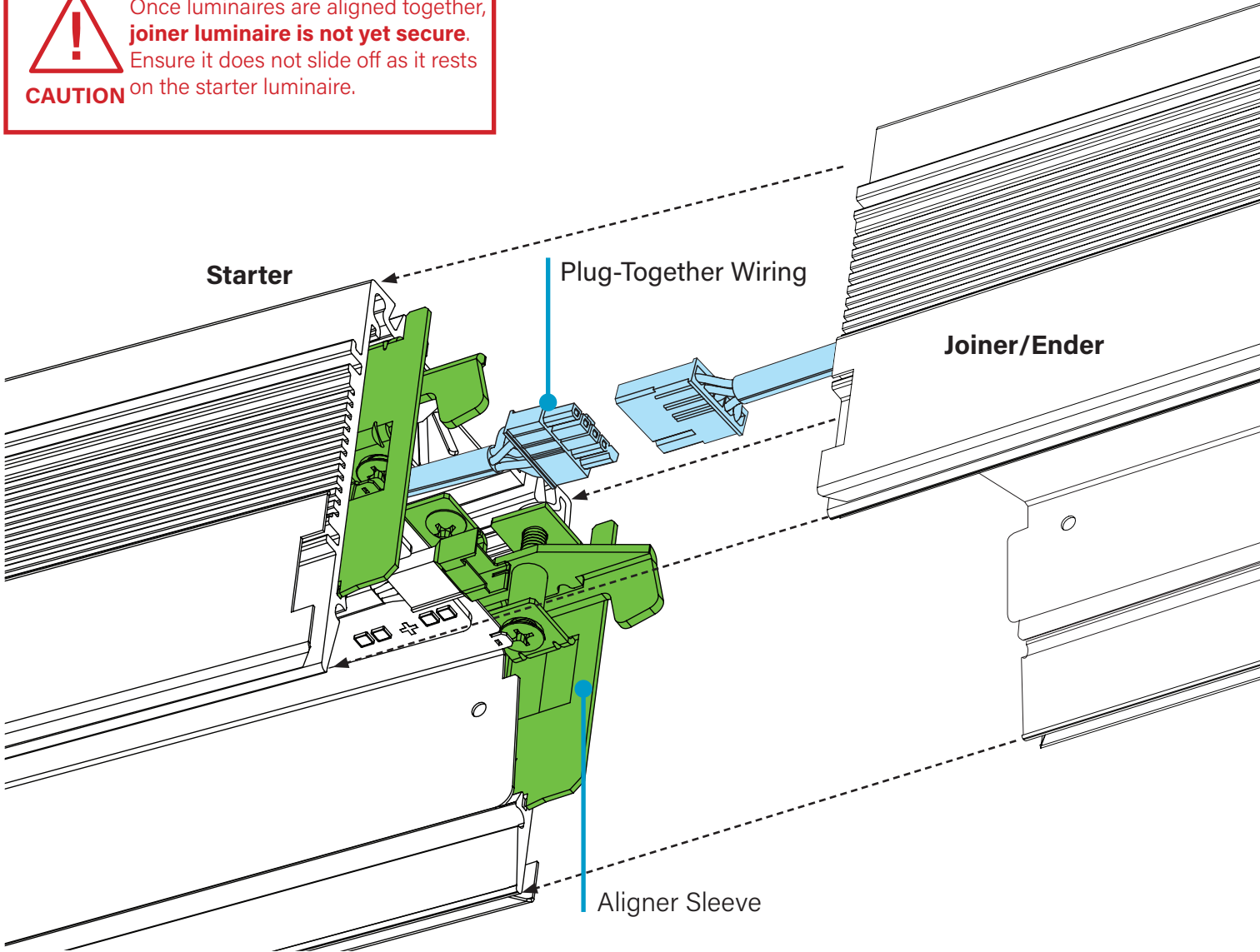
- Maneuver joiner/ender into ceiling and position onto T-bar.

B. Join Luminaires



CAUTION

Once luminaires are aligned together, **joiner luminaire is not yet secure.** Ensure it does not slide off as it rests on the starter luminaire.




- Connect plug-together wiring.

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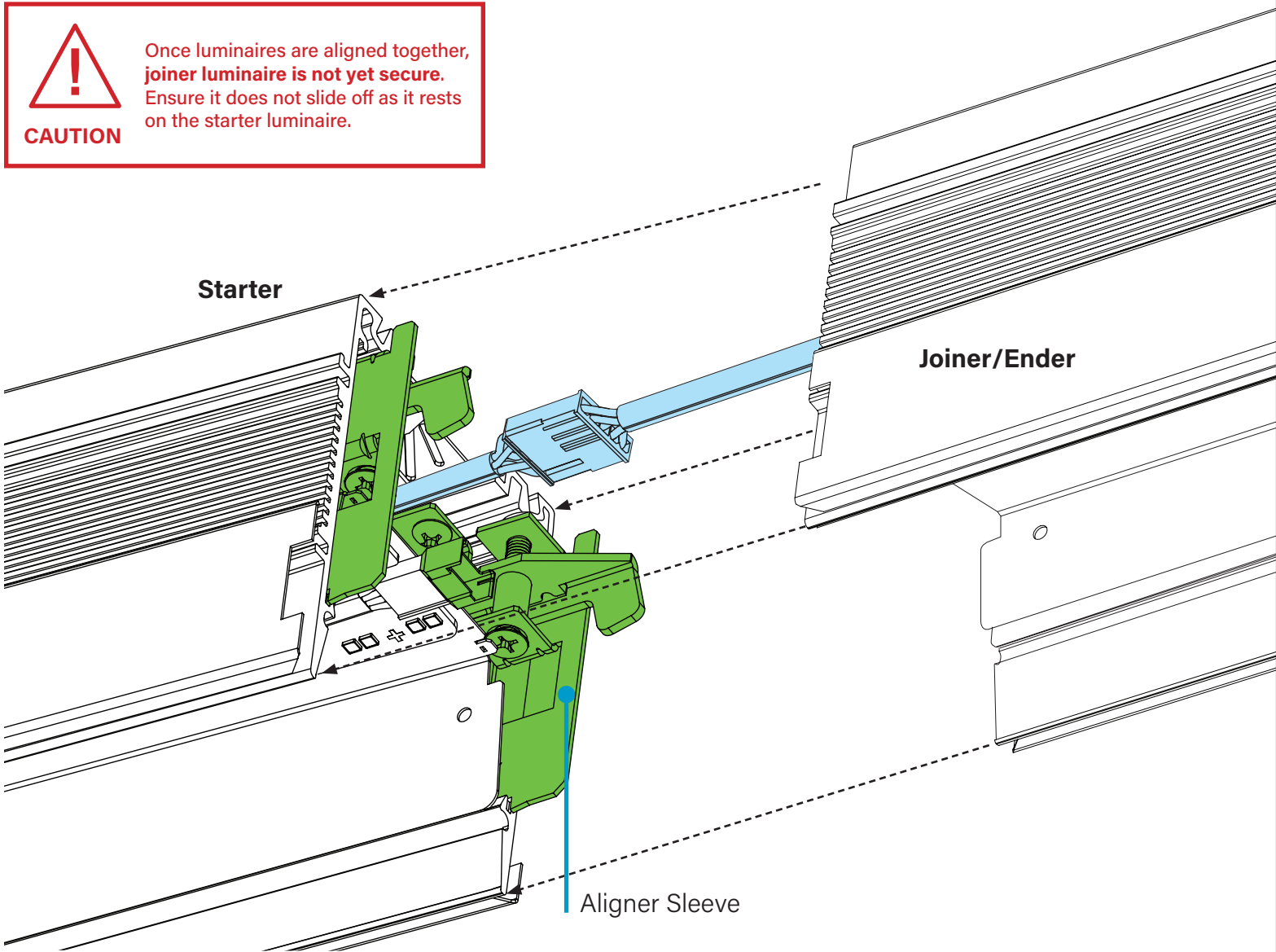
Step 5 - Securing Luminaire Joints

A. Join Luminaires



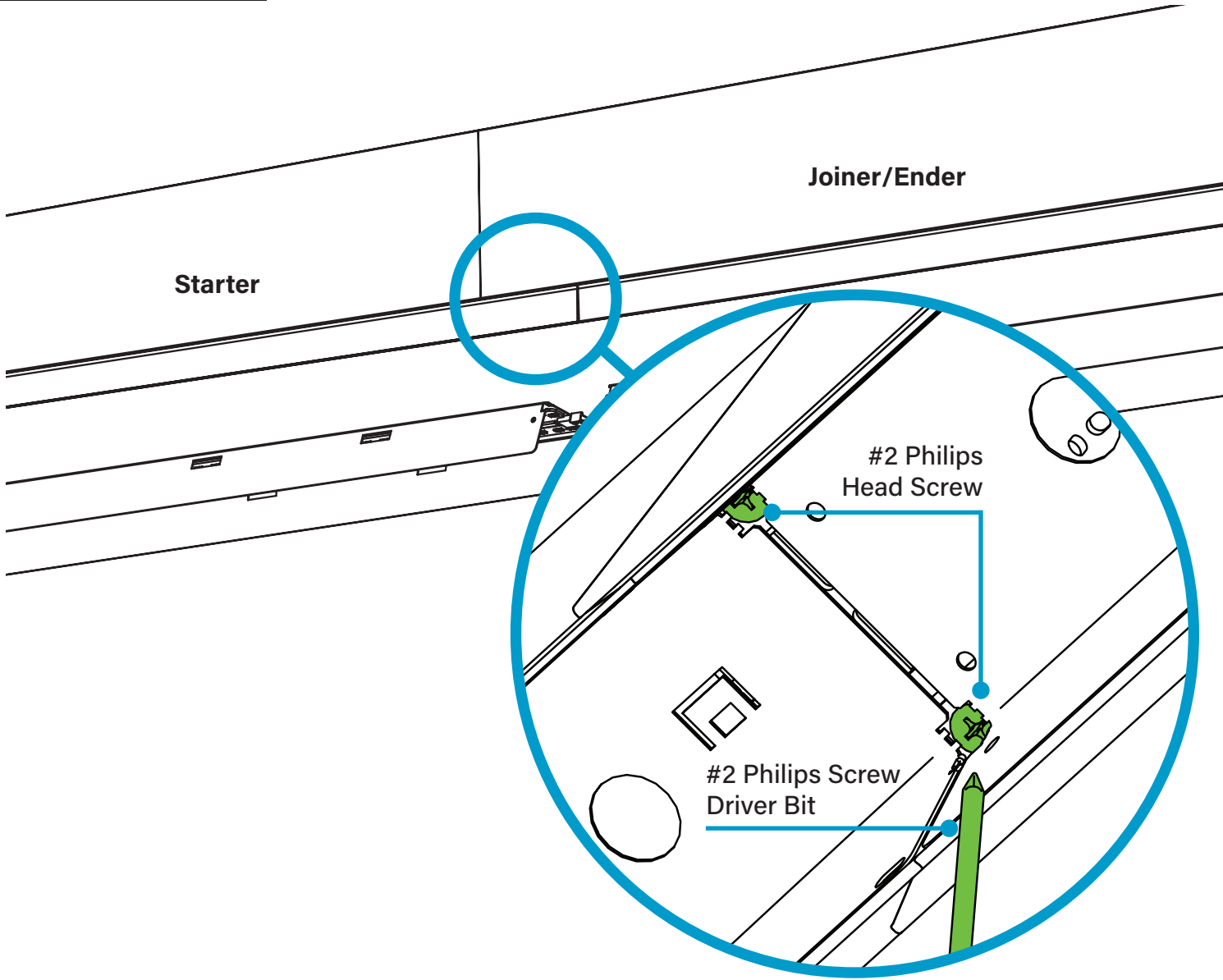
Once luminaires are aligned together, **joiner luminaire is not yet secure.** Ensure it does not slide off as it rests on the starter luminaire.

CAUTION



- Align joiner/ender luminaire with aligner sleeves on the starter and slide together. Be careful not to damage any wiring.
- If necessary, lift both luminaires, then slide together.

B. Secure Easy Joint

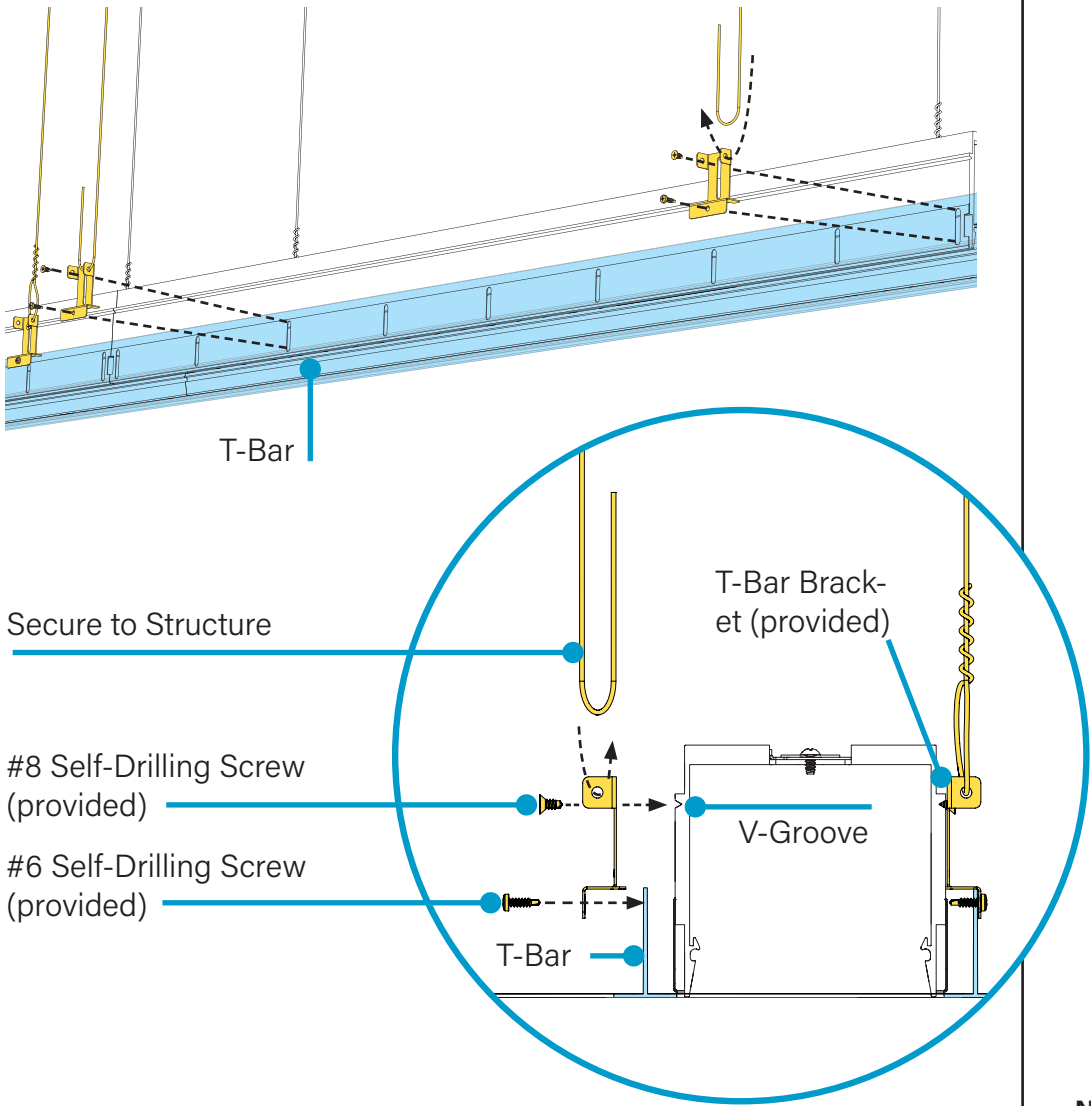


- Secure Joiner/Ender with Starter by tightening two #2 Philips Head Screws.
- Tighten two screws simultaneously and apply equal pressure to each one until tightened.
- **DO NOT USE impact drivers. Only use drivers with torque limit setting and set to low to prevent stripping the screw.**
- **DO NOT OVER TORQUE. DO NOT EXCEED 20 in-lb TORQUE**

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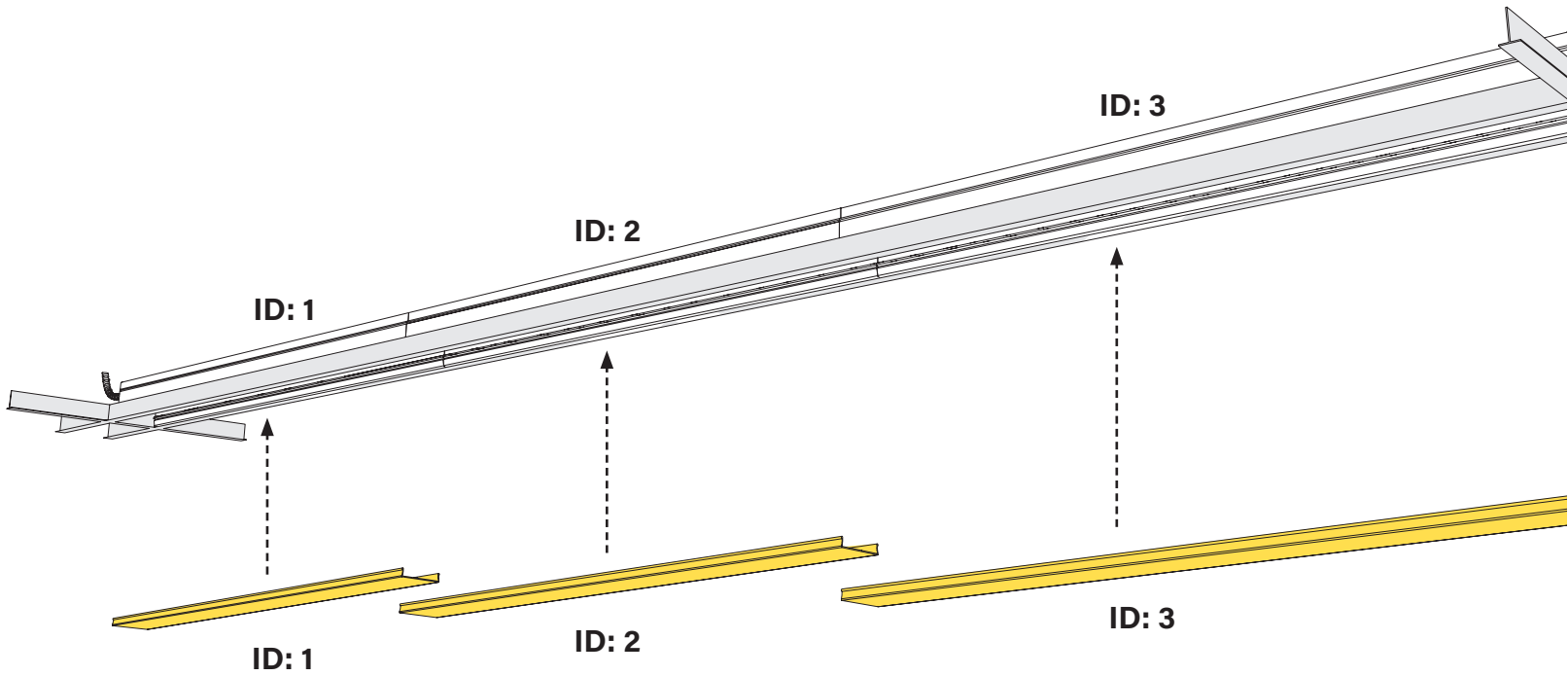
Step 6 - Closing Luminares

A. Secure to Structure

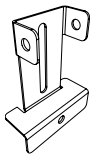


- Use #8 self-drilling screws to mount brackets onto luminaire. Drive the screws into the v-groove screw channel.
- Secure luminaire to building structure using tie-wires, as per code.
- Use #6 self-drilling screws to mount T-Bar brackets to T-Bar ceiling.
- **CAUTION:** Do not over-tighten. Use these screws to control centering of the luminaire between the T-Bars on both sides.

B. Final Step - Replace Diffusers



- **NOTE:** If your installation includes a battery backup, please see addendum (98333) that should be included with your kitting package.
- **FOR SENSOR:** If luminaire contains a sensor at joint, refer to page 5 of appropriate Addendum before Closing Luminaires.
- Remove diffusers from protective plastic bags.
- **CAUTION:** Wear gloves to keep diffuser surface clean.
- **CRITICAL:** Be sure to install correct diffuser o its corresponding luminaire ID.
- Install diffusers nto luminaire body, ensuring they snap back into place.
- Turn power on to luminaire.



T-Bar Brackets
(provided)



#8 Self-Drilling Screws
(provided)



#6 Self-Drilling Screws
(provided)