

HP-3 Surface Mount Installation Instructions

Overview

NOTES

- If the luminaire contains a sensor, refer to the Sensor 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.**



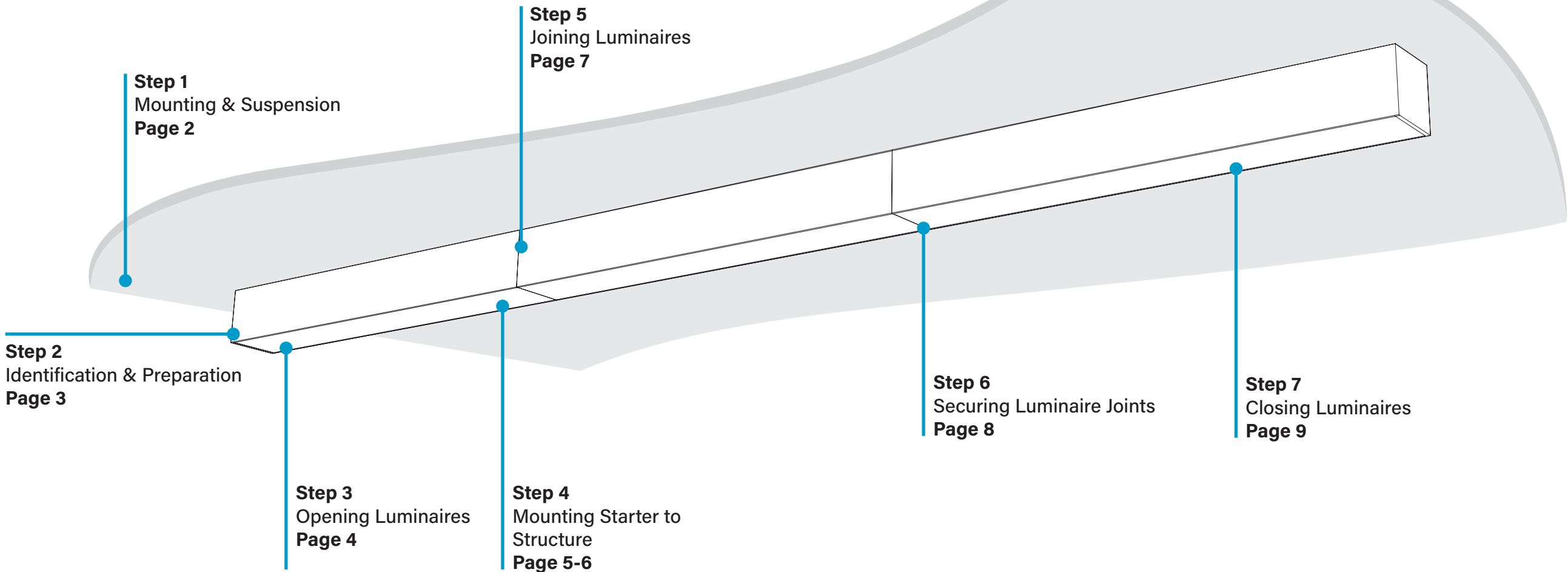
HELPFUL
VIDEOS



0-10V
Dimming



Simple
Plug-Together
Wiring



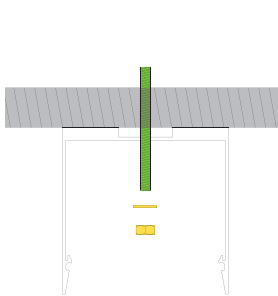
HP-3 Surface Mount Installation Instructions

Step 1 - Mounting Options & Locations

Mounting Options

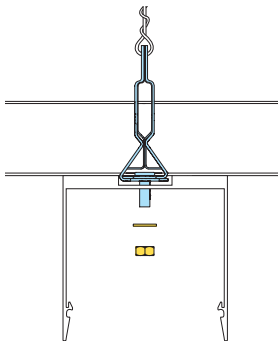
Option 1 - Mount to Threaded Rod

- Install threaded rods to structure.
- Threaded rod must exceed distance to wall/ceiling surface by 1-1/2".
- Install electrical junction box and electrical conduit at feed locations.



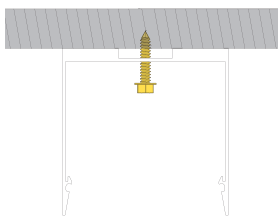
Option 2 - Mount to T-Bar

- Install caddy clips onto T-Bar at mounting point locations.
- All caddy clips are to be secured to structure, per local building codes.



Option 3 - Mount to Support Structure

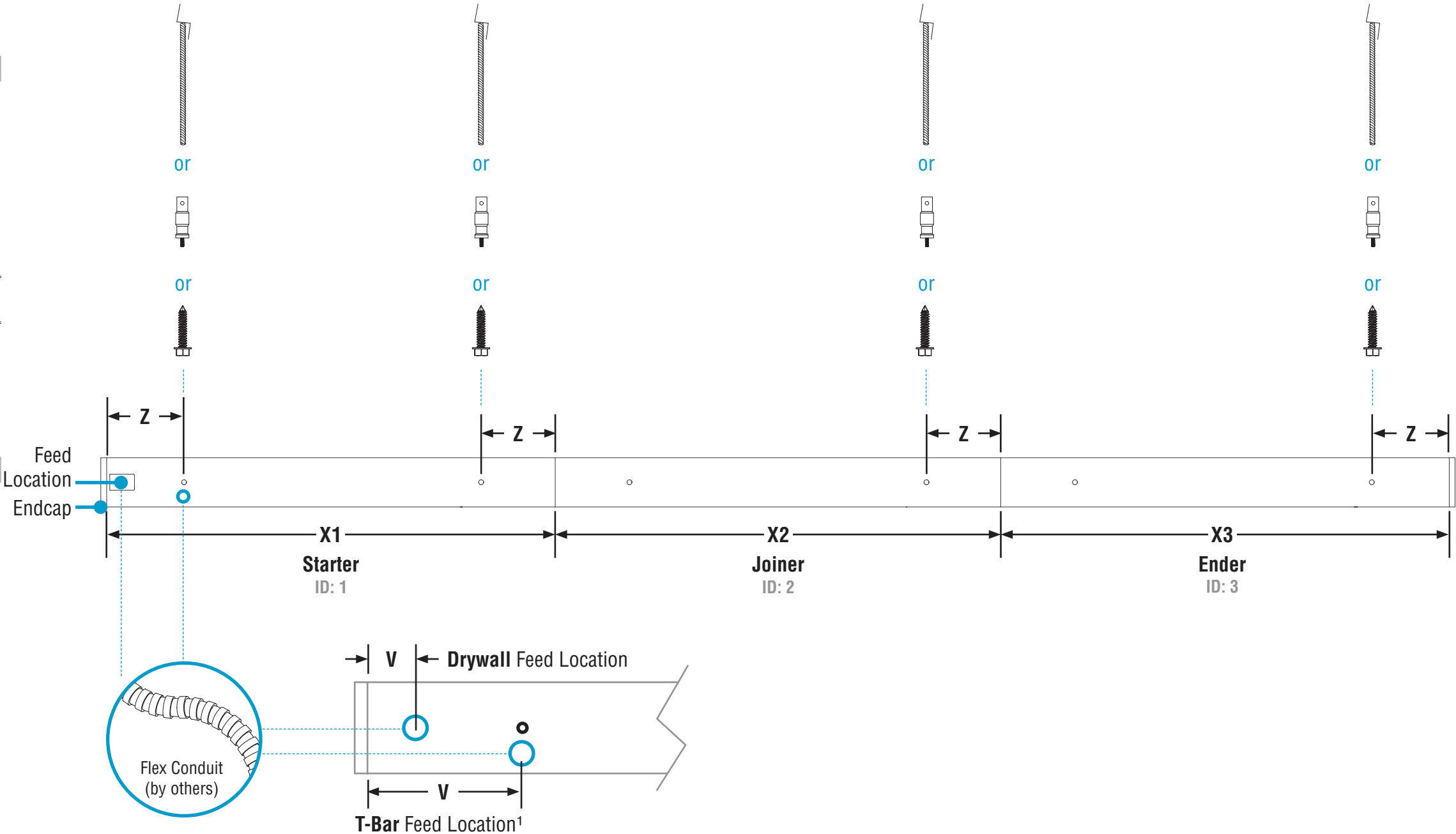
- Install electrical junction box and electrical conduit at feed locations.



Mounting Locations

X = Luminaire section length
(X Measurements **do not include** endcaps)

	Z = Mounting Hole Location	V = Feed Location	
		Drywall	T-Bar ¹
HP-3	5"	3/4"	5"



- Luminaire mounting holes sized for 1/4"-20 hardware (by others).
- Refer to Record Drawings and building plans to determine exact mounting, suspension points, and power feed locations.
- **CRITICAL:** Drywall or weak paneling must be secured to support blocking (studs) around wall/ceiling.

Mounting Option 1

Threaded Rod
(by others)

1/4"-20 Washer
(by others)

1/4"-20 Nut
(by others)

Mounting Option 2

Caddy Clip
(provided)

1/4"-20 Washer
(by others)

1/4"-20 Nut
(by others)

Mounting Option 3

1/4"-20 Lag Bolt
(by others)


Flex Conduit
(by others)

¹ For surface mount to T-Bar mounting, power feed location (V) will be offset from the middle of the luminaire to accommodate the T-Bar.

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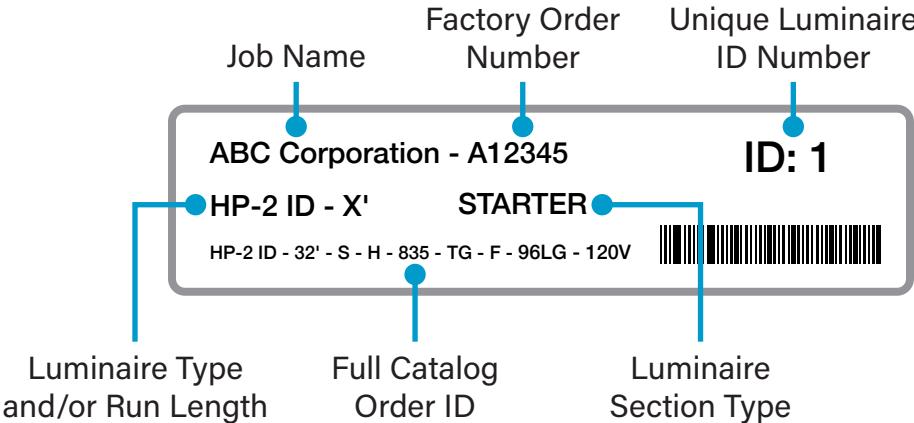
Step 2 - Identification & Preparation

A. Identify Luminaires



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

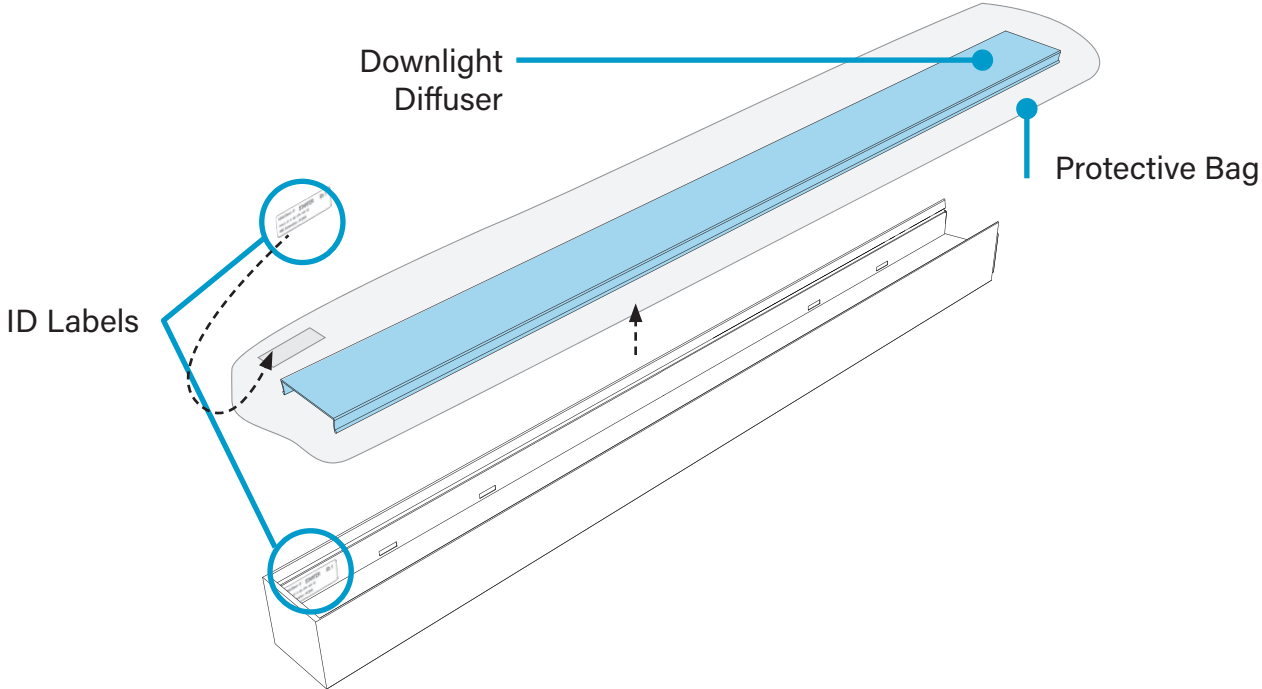
CAUTION



- 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 Downlight Diffusers

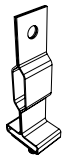
Remove Diffusers



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



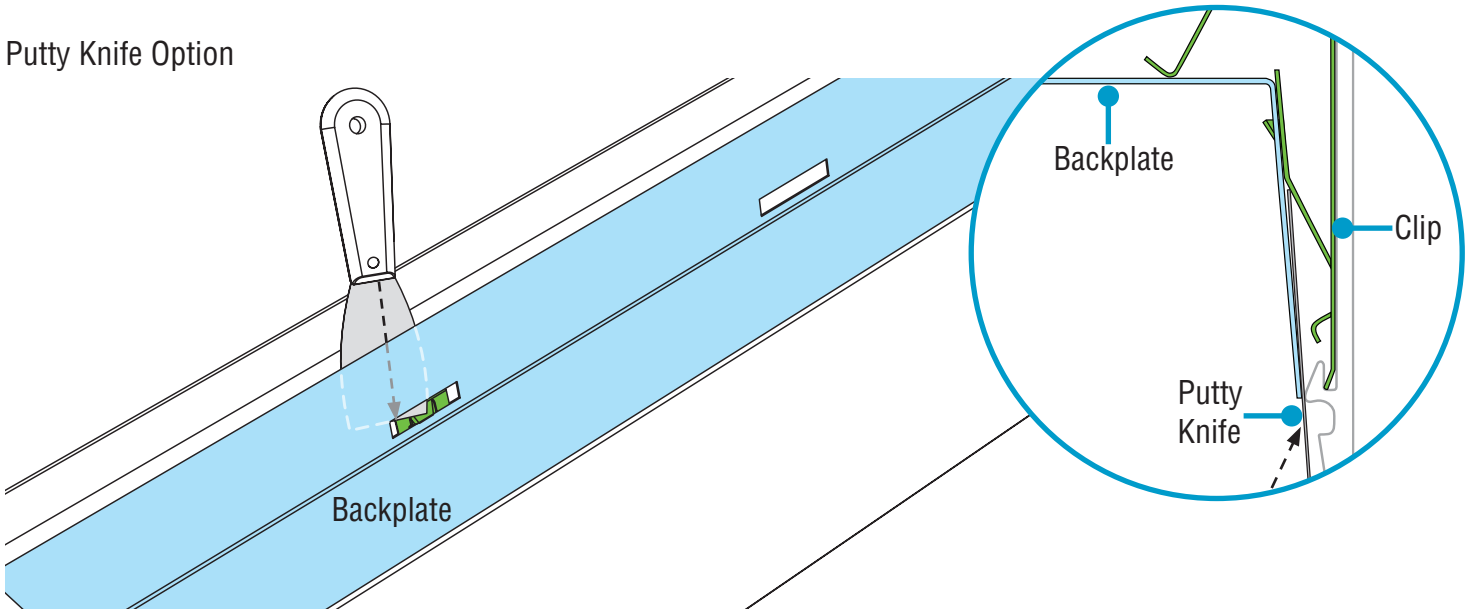
Caddy Clip
C1 Ceiling - Part# 94001
C2 Ceiling - Part# 94020
C3 Ceiling - Part# 94029
Mounting & Suspension
p. 2, Step 1

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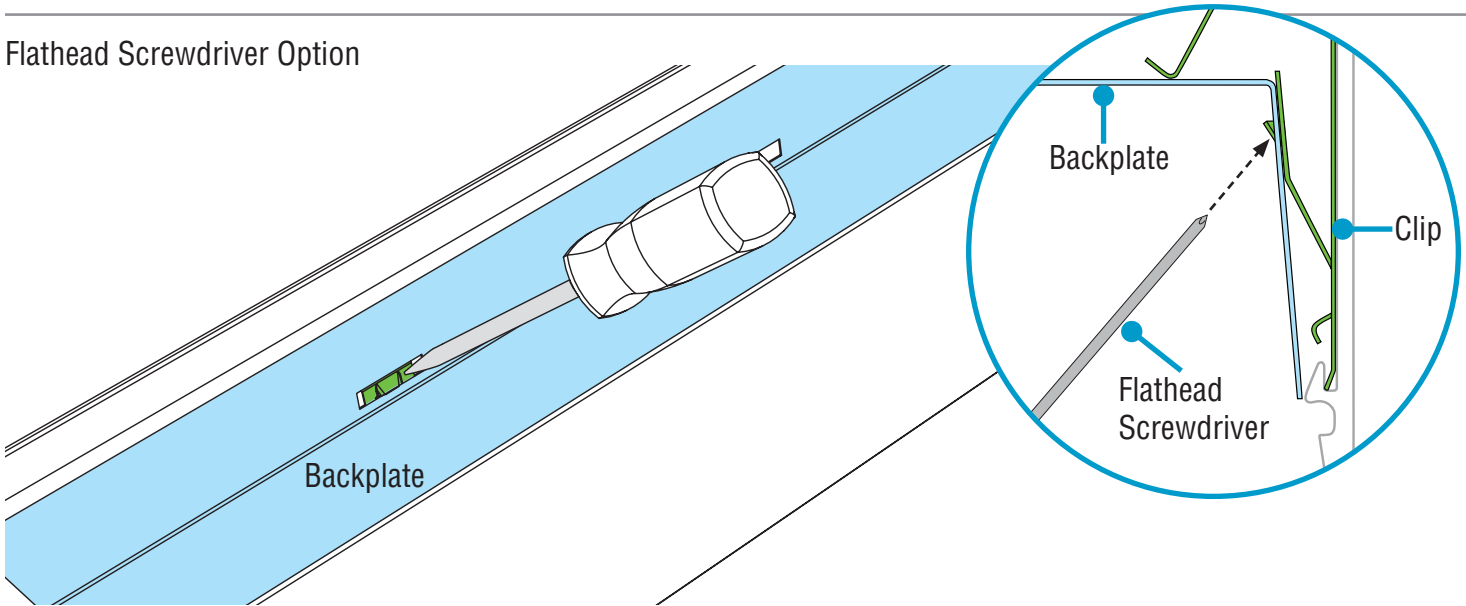
Step 3 - Opening Luminaires

Release Backplates

Putty Knife Option

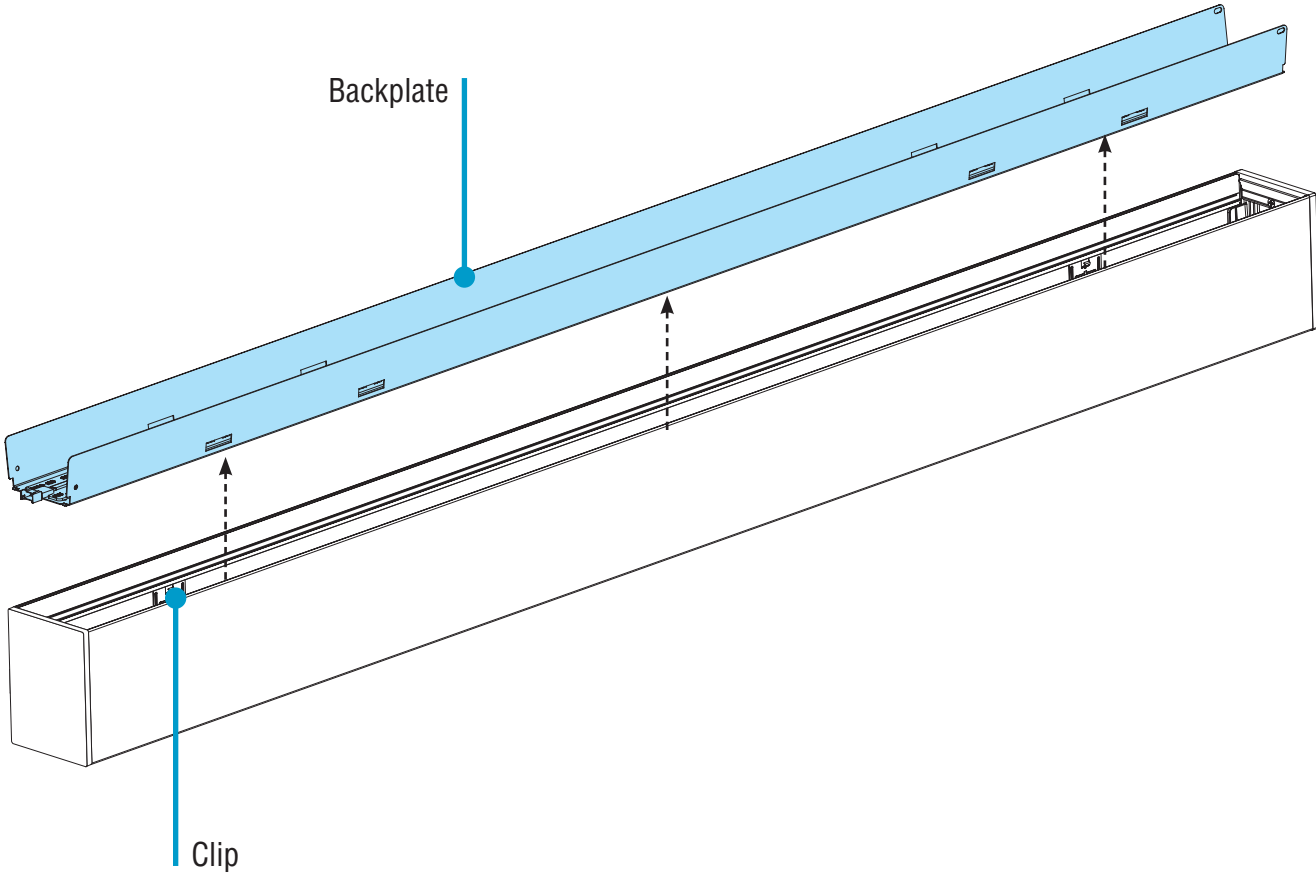


Flathead Screwdriver Option



- Open all backplates for access to mounting points.
- Release the backplates from clips by sliding the blade of a putty knife behind backplate edges.
- To use a flathead screwdriver: From inside backplate, press end of screwdriver against the clip until the backplate is released.

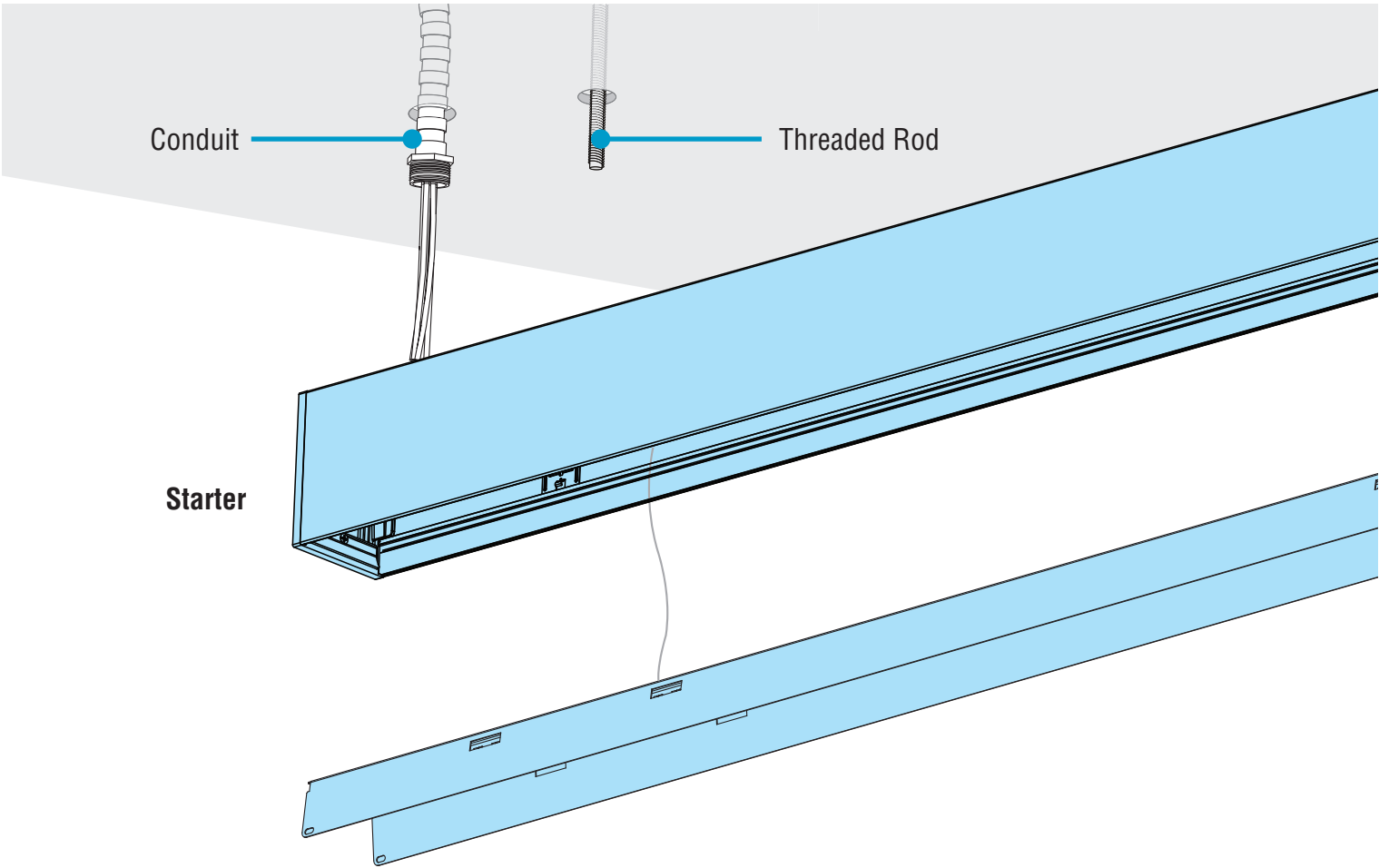
- Carefully rotate backplates out and let them hang from luminaire body.




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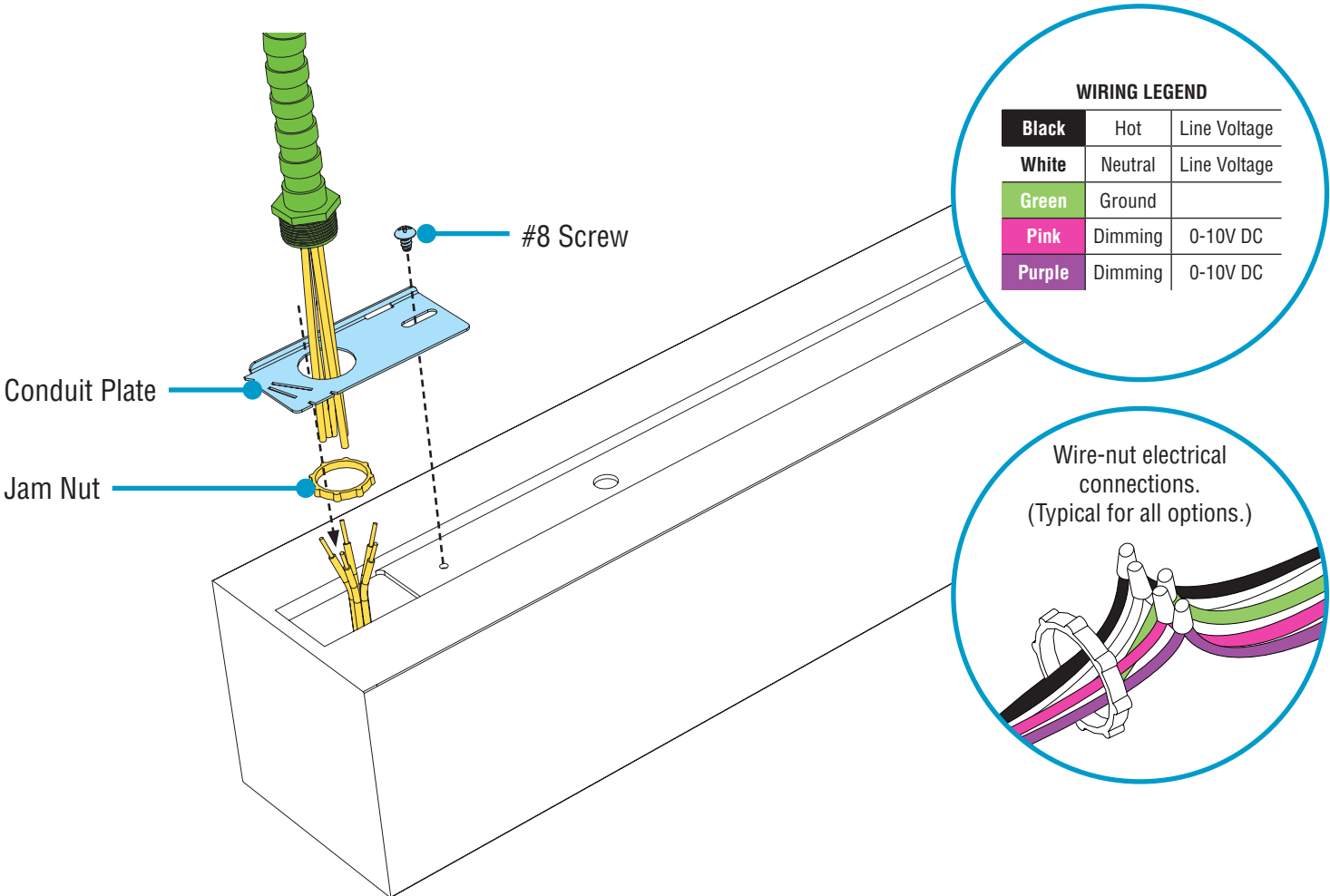
Step 4 - Mounting Starter to Structure

A. Make Electrical Connections



- **FOR SENSOR:** If luminaire contains a sensor at endcap, refer to page 2 of appropriate Addendum before Mounting Starter to Structure.
- While properly supporting luminaire, maneuver luminaire near wall/ceiling opening.
- Make electrical connections at **TOP** of luminaire.

 **Flex Conduit**
(by others)



WIRING LEGEND

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

Wire-nut electrical connections.
(Typical for all options.)



- 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.

CONTINUED



Socket Removal
& Installation

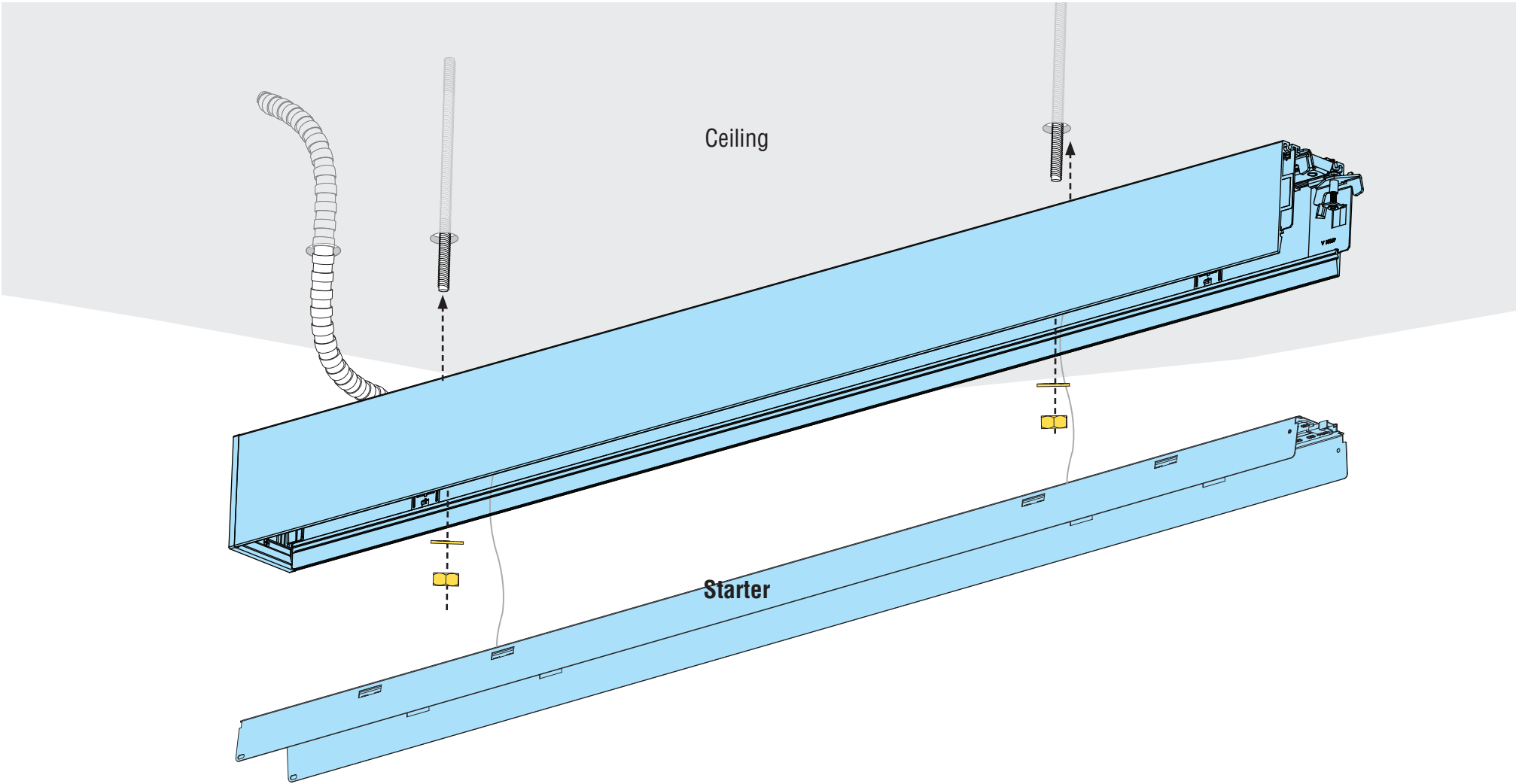


0-10V
Dimming

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Step 4 - Mounting Starter to Structure

B. Mount Starter to Structure



Option 1 (Shown) - Mount to Threaded Rod

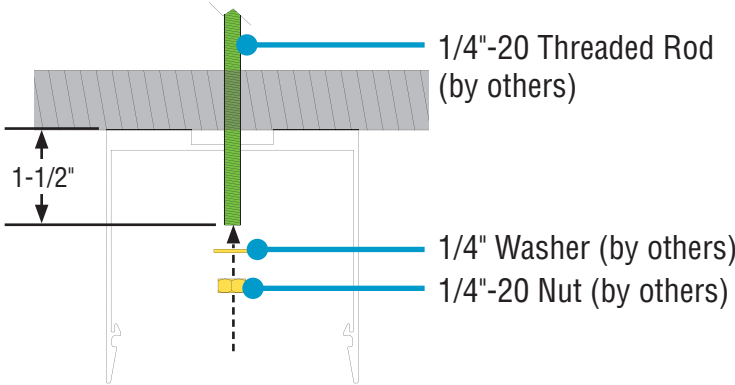
Option 2 - Mount to T-Bar

- Align mounting holes with hanging hardware.
- Install 1/4"-20 nut and 1/4"-20 washer onto 1/4"-20 threaded rod.
- CRITICAL:** If installing a joiner luminaire in the next step, leave nut loose.
- If there is no joiner/ender, then tighten nuts fully. **PROCEED TO STEP 7.**

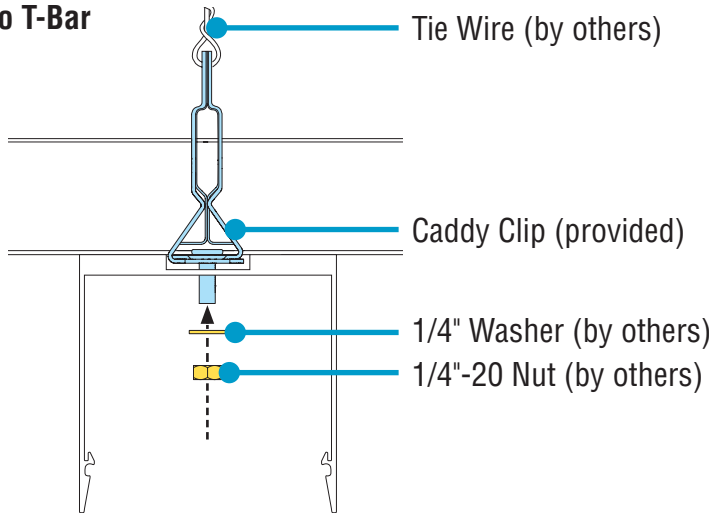
Option 3 - Mount to Structure

- Place luminaire onto wall/ceiling and mount to structure support with hardware appropriate for the structure type.
- CRITICAL:** If installing a joiner luminaire in the next step, leave loose.
- If there is no joiner/ender, then tighten nuts fully. **PROCEED TO STEP 7.**

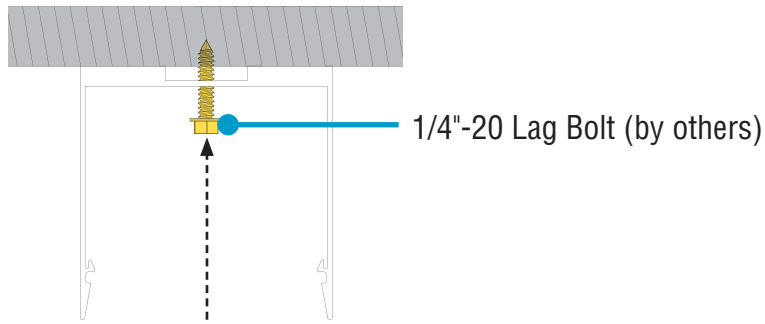
Option 1 (Shown) - Mount to Threaded Rod



Option 2 - Mount to T-Bar



Option 3 - Mount to Structure



Mounting Option 1

Threaded Rod
(by others)

1/4"-20 Washer
(by others)

1/4"-20 Nut
(by others)

Mounting Option 2

Caddy Clip
(provided)

1/4"-20 Washer
(by others)

1/4"-20 Nut
(by others)

Mounting Option 3

1/4"-20 Lag Bolt
(by others)

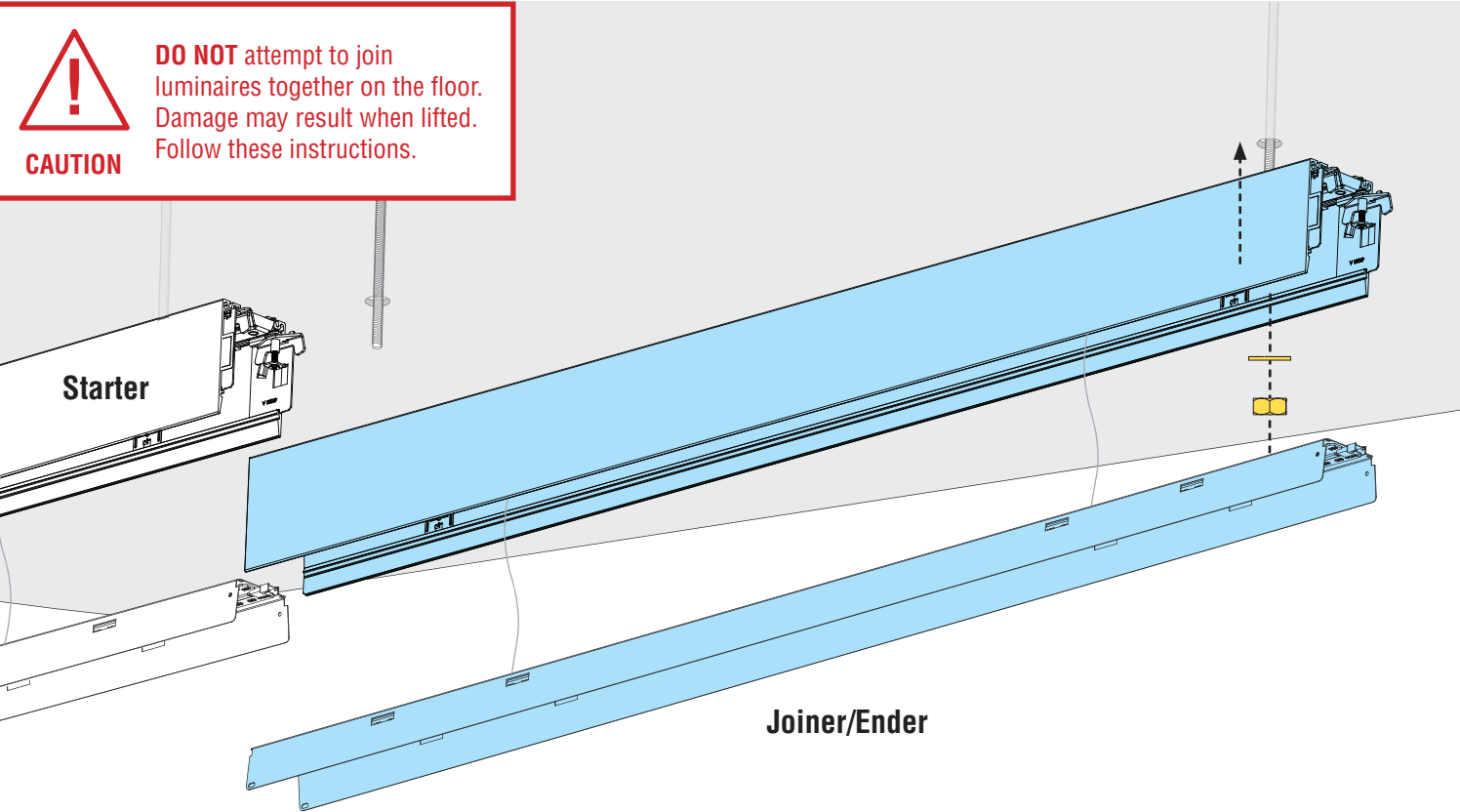


Simple
Plug-Together
Wiring

HP-3 Surface Mount Installation Instructions

Step 5 - Joining Luminaires

A. Mount Joiner/Ender to Structure



Option 1 (Shown) - Mount to Threaded Rod

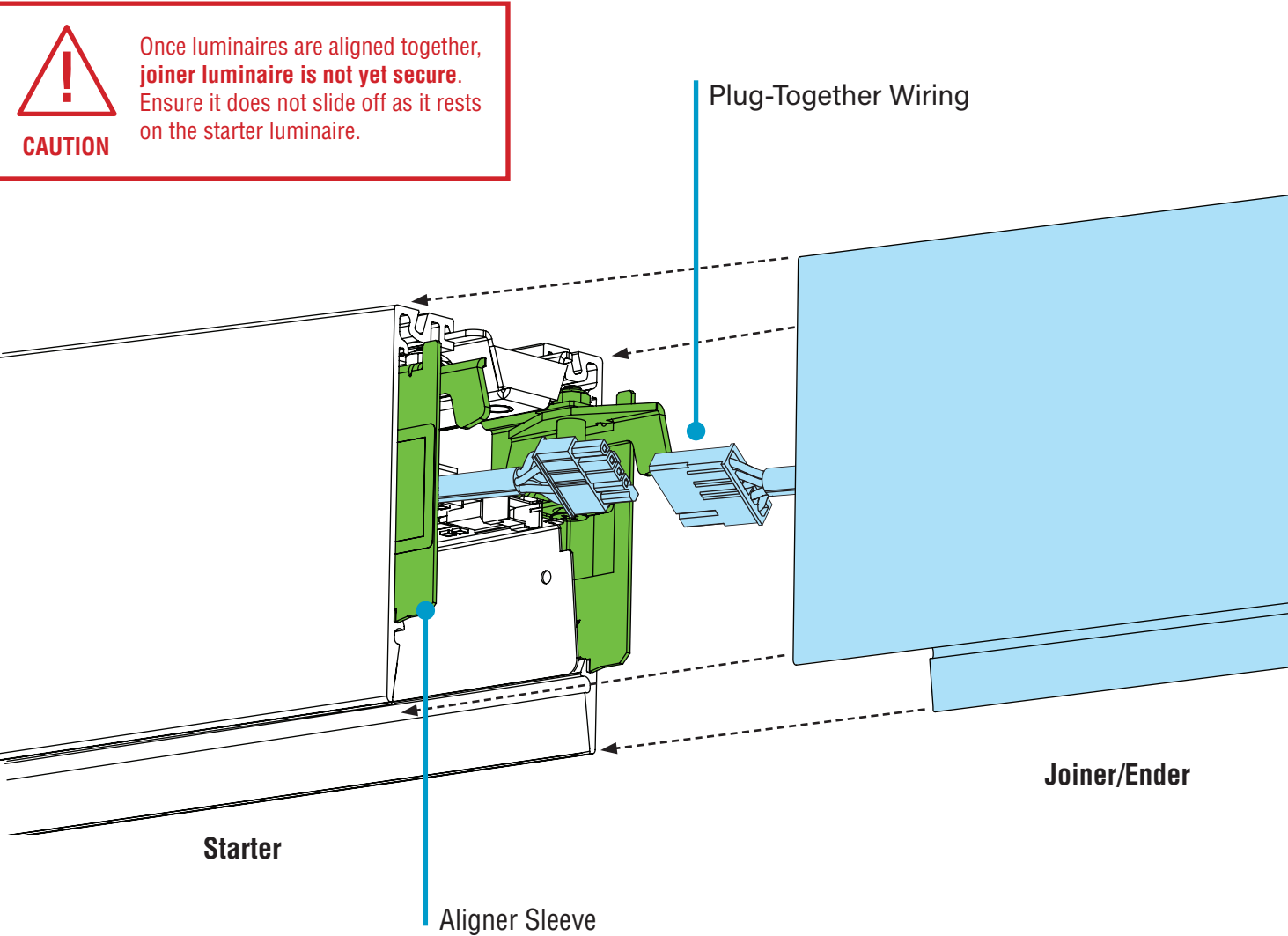
Option 2 - Mount to T-Bar

- **FOR SENSOR OR SOCKET:** If luminaire contains a sensor or socket at joint, refer to page 4 of appropriate Addendum before joining luminaires.
- Align mounting holes with hanging hardware.
- Install 1/4"-20 nut and 1/4"-20 washer onto 1/4"-20 threaded rod.
- **NOTE:** If installing a joiner luminaire, leave nut loose, allowing luminaire to hang at an angle.
- If there is no joiner/ender, then tighten nuts fully.

Option 3 - Mount to Structure

- **FOR SENSOR OR SOCKET:** If luminaire contains a sensor or socket at joint, refer to page 4 of appropriate Addendum before joining luminaires.
- Mount to structure support with hardware appropriate for the structure type.
- **NOTE:** If installing a joiner luminaire, leave nut loose, allowing luminaire to hang at an angle.
- If there is no joiner/ender, then tighten nuts fully.

B. Join Luminaires



- Connect plug-together wiring.

Mounting Option 1

Threaded Rod (by others)	1/4"-20 Washer (by others)
	1/4"-20 Nut (by others)

Mounting Option 2

Caddy Clip (provided)	1/4"-20 Washer (by others)
	1/4"-20 Nut (by others)


Mounting Option 3

1/4"-20 Lag Bolt (by others)

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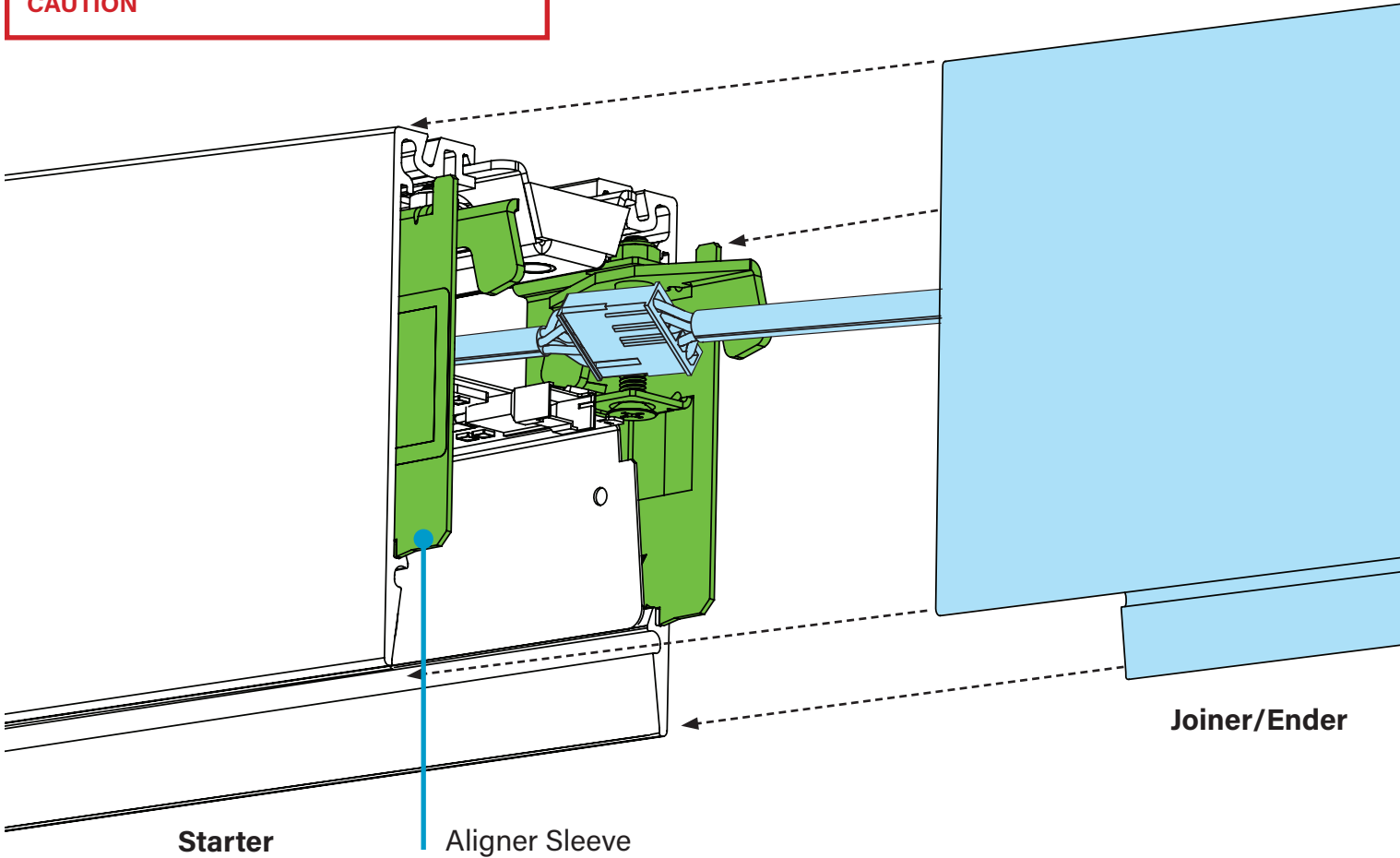
Step 6 - Securing Luminaire Joints

A. Join Luminaires



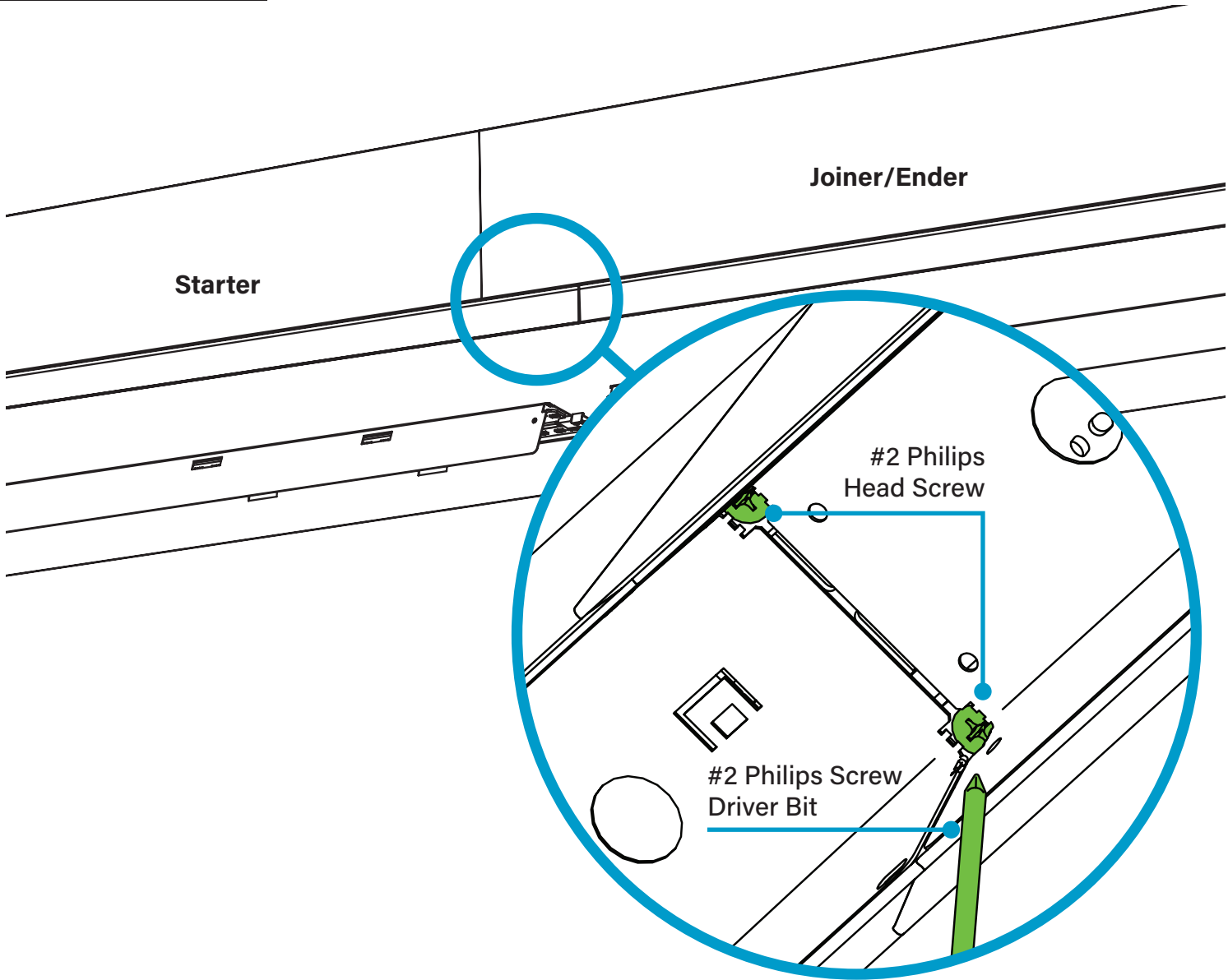
Once luminaires are aligned together, **joiner luminaire is not yet secure.** Ensure it does not slide off as it rests on the starter luminaire.

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

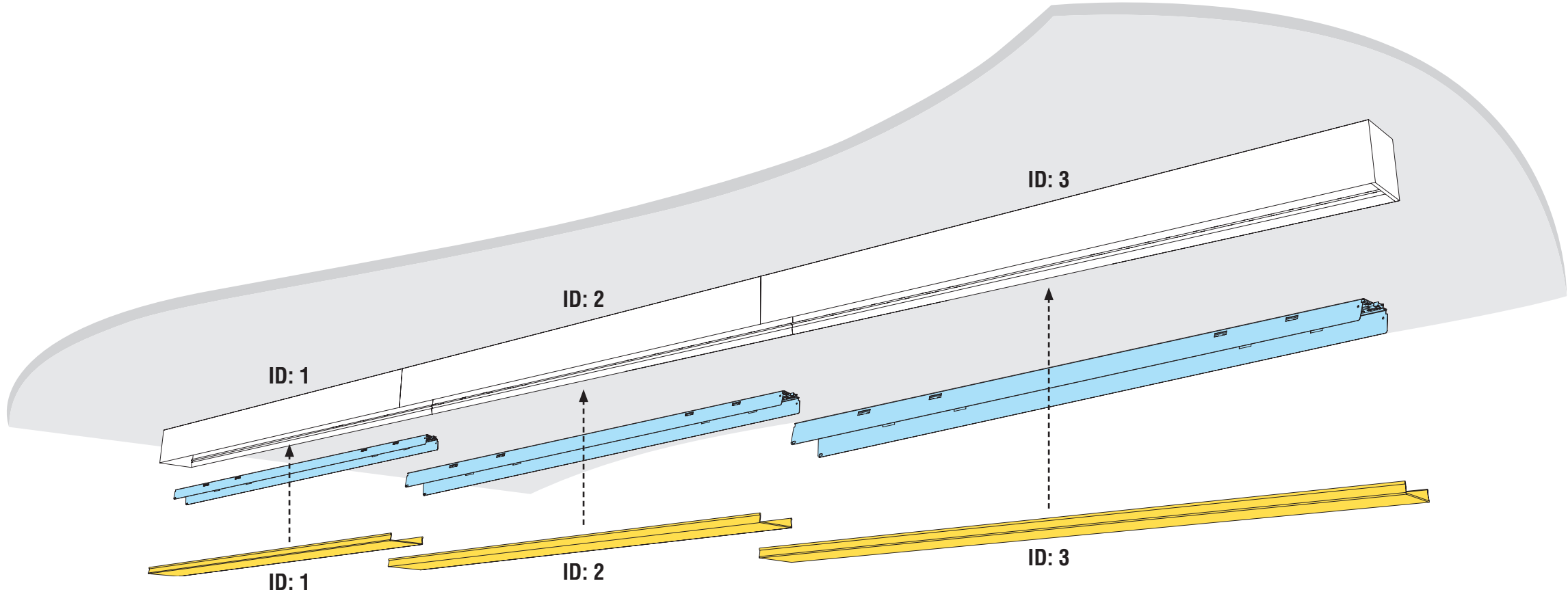


- Secure Joiner/Ender with Starter by tightening two #2 Philips Head Screws.
- Tighten two screws simultaneously and apply equal pressure to each one until tightened.
- **DO NOT USE impact drivers. Only use drivers with torque limit setting and set to low to prevent stripping the screw.**
- **DO NOT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

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Step 7 - Closing Luminares

A. Final Step - Replace Diffusers



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