

H04 Recessed T-Bar with Mitered Corners Installation Instructions

Regressed Luminaires Use Same Instructions

Overview

NOTES

- Ensure that reflectors do not get dirty or damaged.
- If 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



Effortless
Access



0-10V
Dimming



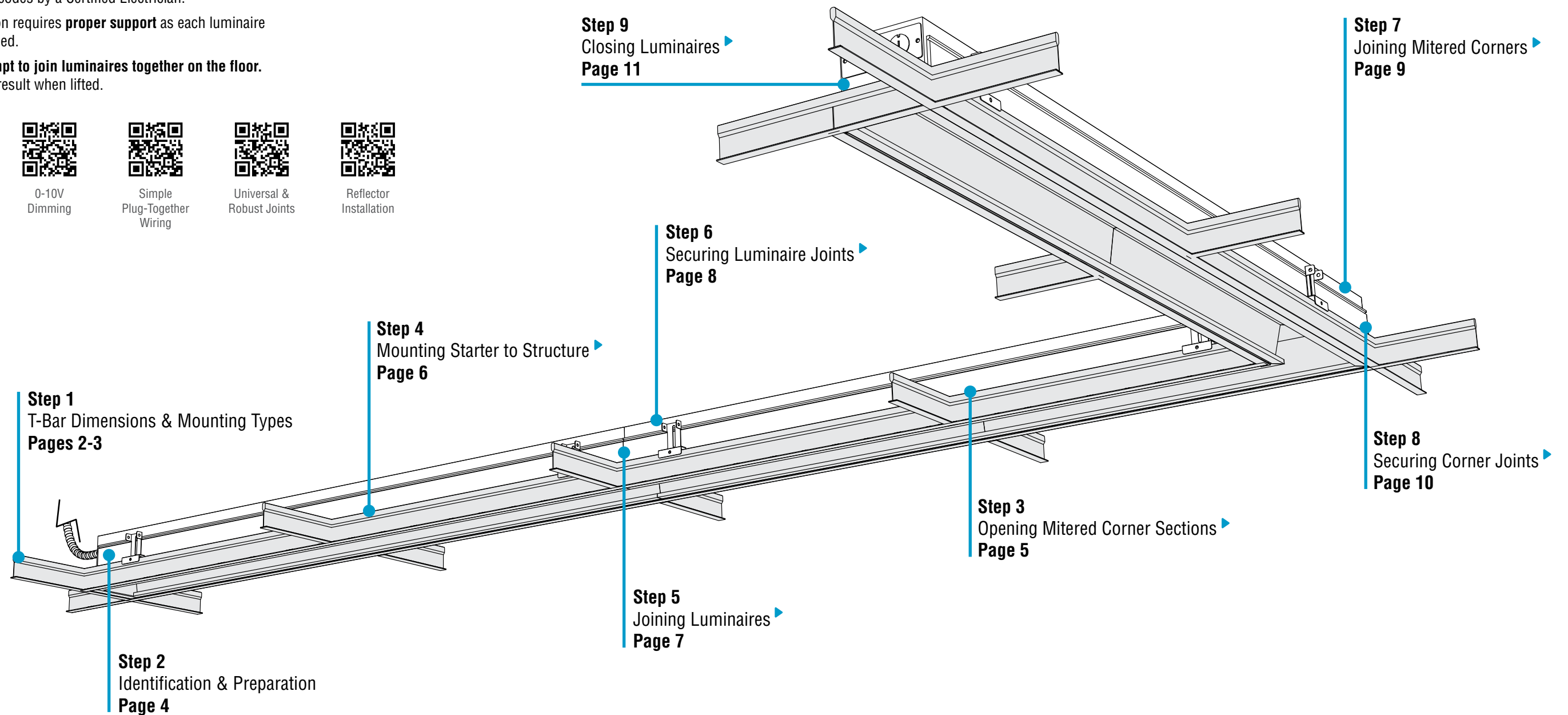
Simple
Plug-Together
Wiring



Universal &
Robust Joints



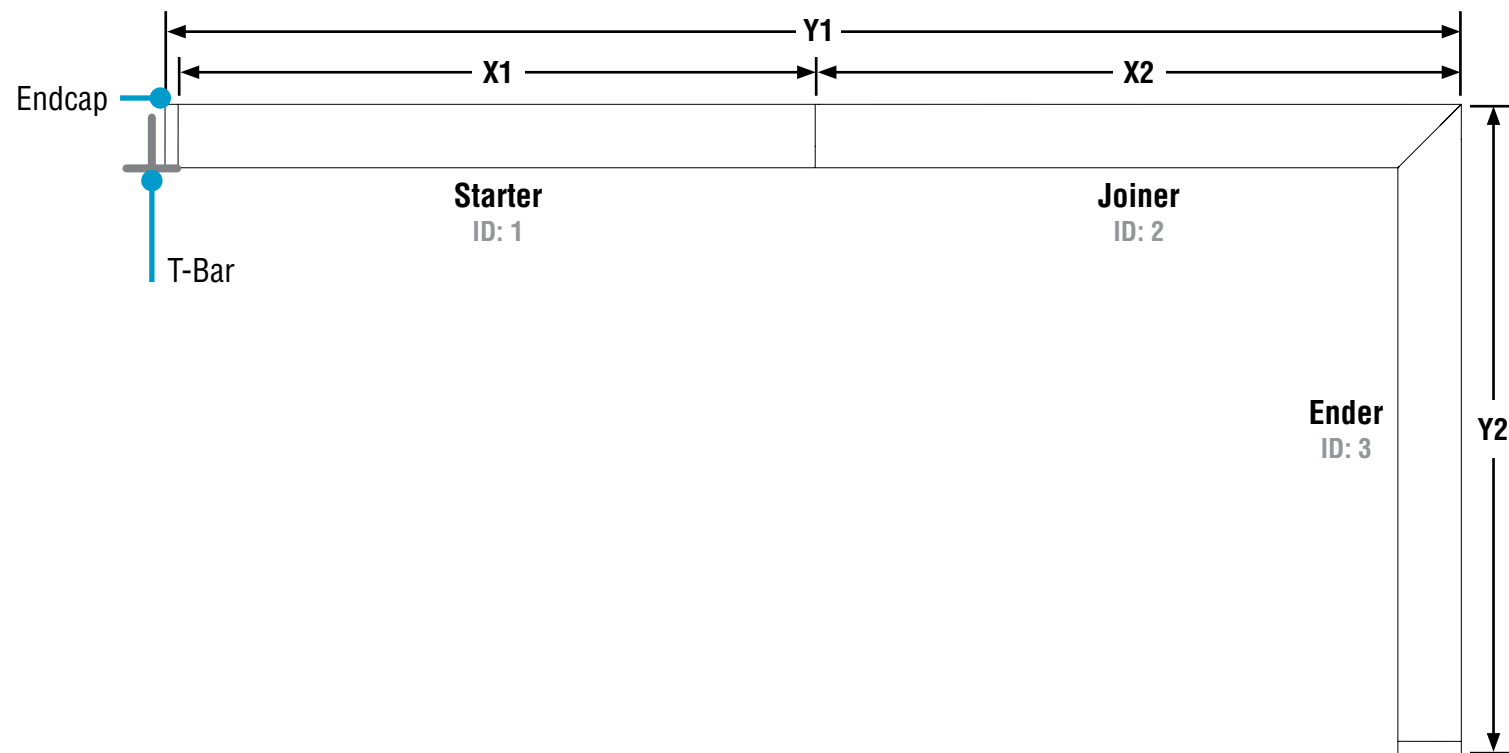
Reflector
Installation



H04 Recessed T-Bar with Mitered Corners Installation Instructions

Step 1 - T-Bar Dimensions & Mounting Types

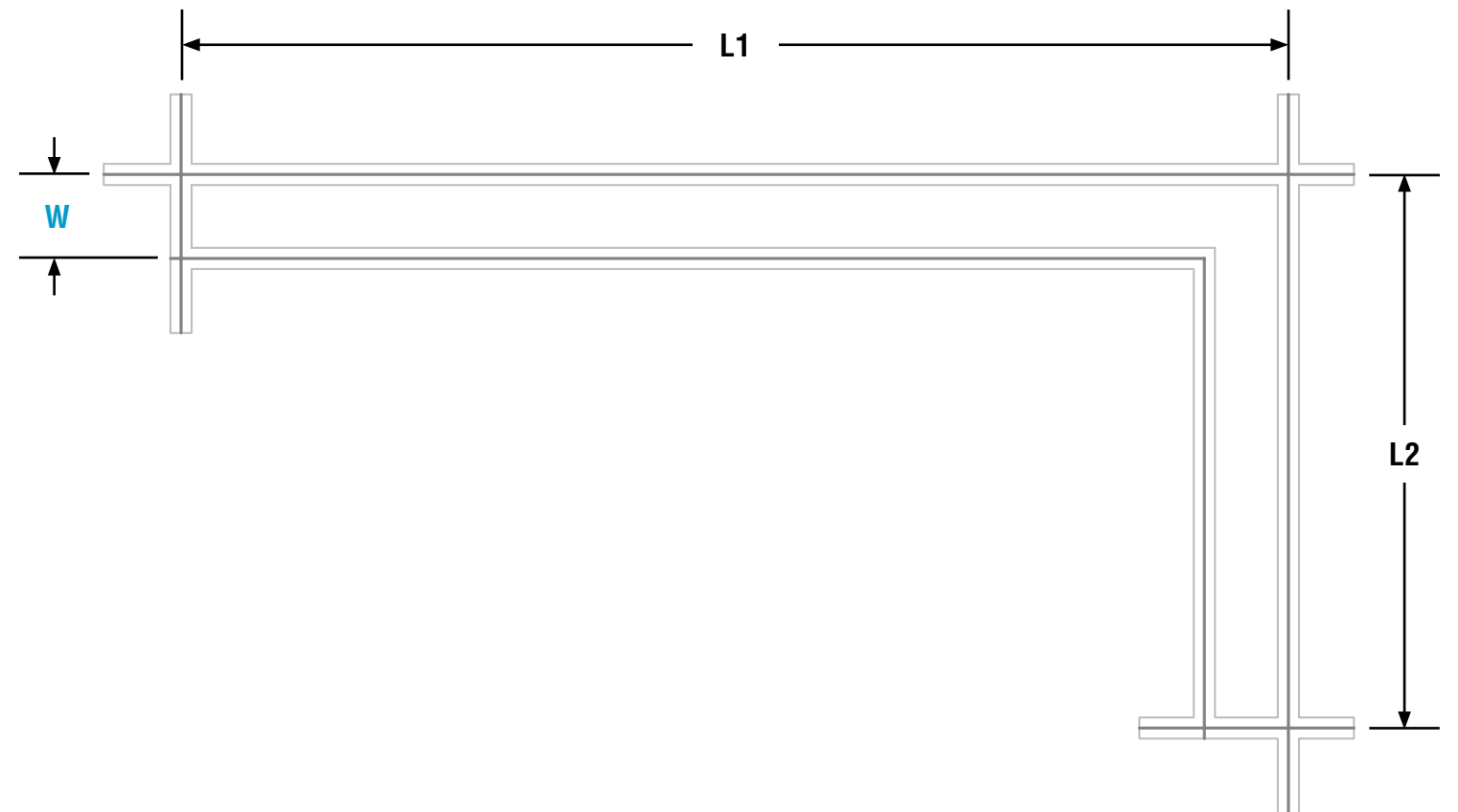
Total Run Length



X = Luminaire section length (**Does not include** endcaps)
Y1 = Total run length of luminaire (**Includes** 1/4" endcap)
Y2 = Total run length of luminaire (**Includes** 1/4" endcap)
Endcap = 1/4"

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

T-Bar Build Dimensions



	L1 = Total Run T-Bar Length	L2 = Total Run T-Bar Length
H04 Rec T-Bar with MC	Y1 + 1-1/4"	Y2 + 1-1/4"

W = T-Bar spacing from centerline to centerline of grid

Tolerance: +/- 1/16"

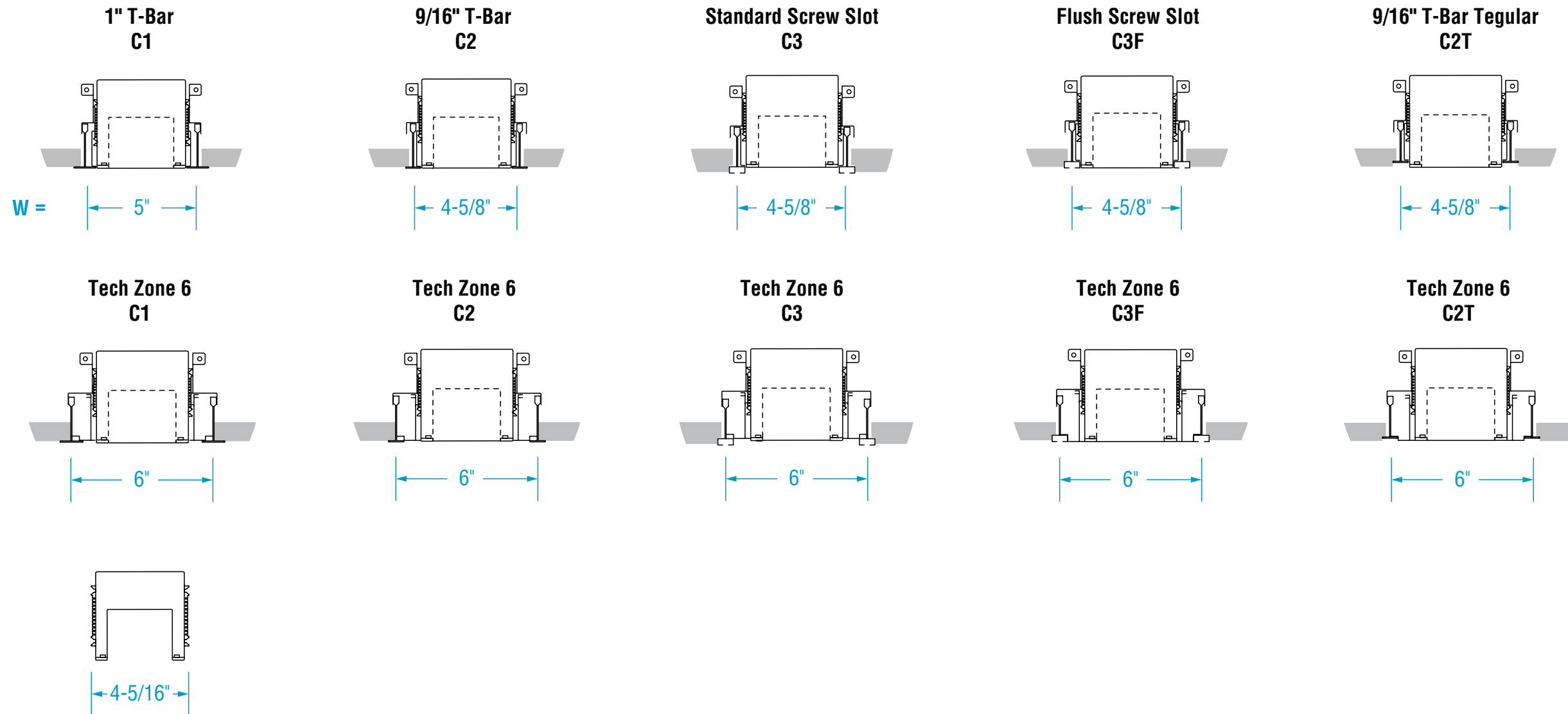
Construct T-Bar ceiling for luminaire placement based on length and width dimensions per diagram.

H04 Recessed T-Bar with Mitered Corners Installation Instructions

Step 1 - T-Bar Dimensions & Mounting Types

Mounting Types & T-Bar Width

Dimensions shown are for use in flangeless installations.



- **NOTE:** Only for standard 2'x4' or 2'x2' 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 spacing from centerline to centerline of grid

H04 Recessed T-Bar with Mitered Corners Installation Instructions

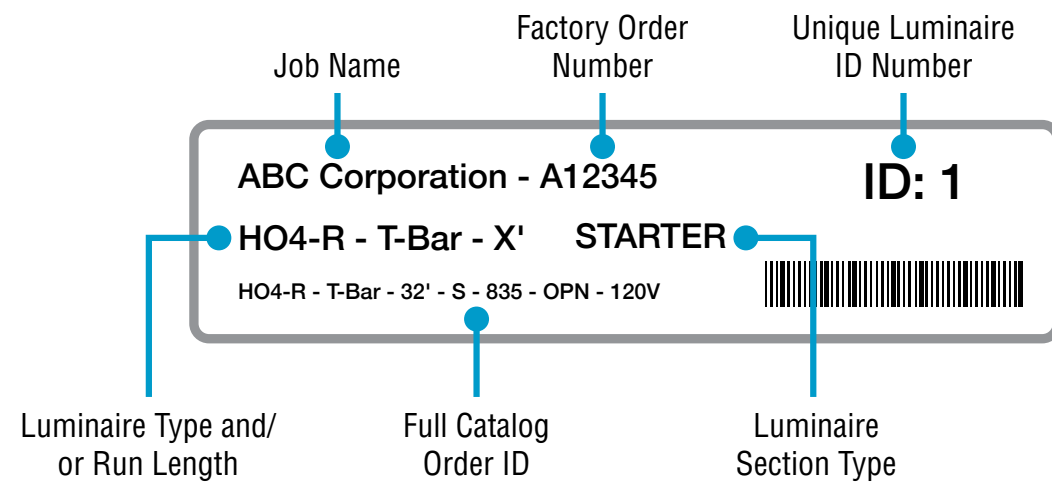
Step 2 - Identification & Preparation

A. Identify Luminaires



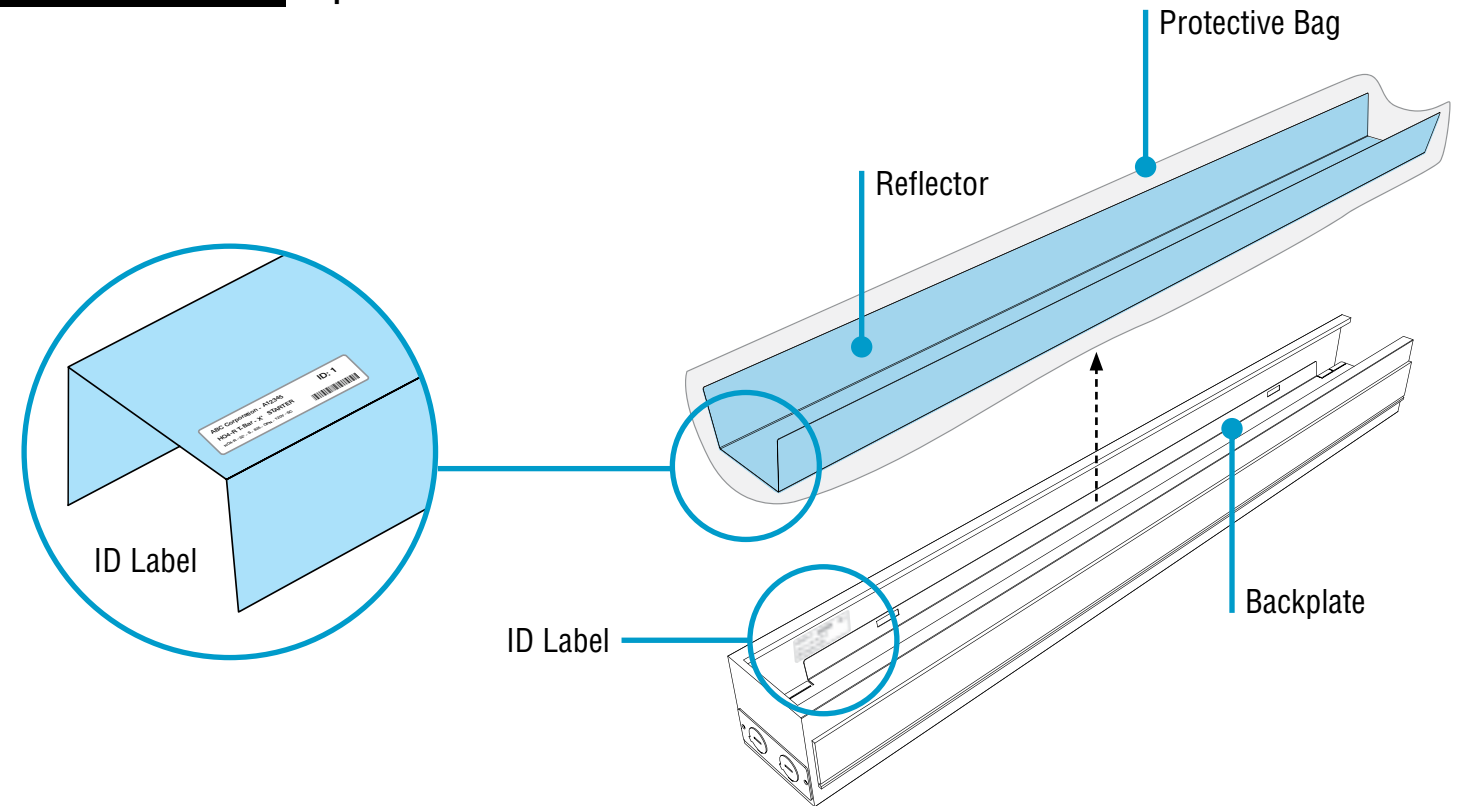
CAUTION

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



- Identify all luminaires by their ID label that can be found on the box, on the reflector, 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.

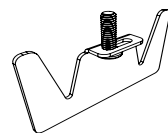
B. Remove Reflectors Top-Down View



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

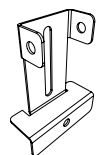
Kitted Hardware

- 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.



Yoke Bracket
Part# 45042

#10-32 x 5/8" Screw
Part# 94144
Securing Luminaire Joints
p. 8, Step 6
Securing Corner Joints
p. 10, Step 8



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

T-Bar Bracket (TZ4)
Part# 20510

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

T-Bar Bracket (TZ6)
Part# 27040
Closing Luminaires
p. 11, Step 9



#8 Self-Drilling Screw
Part# 94138
Closing Luminaires
p. 11, Step 9



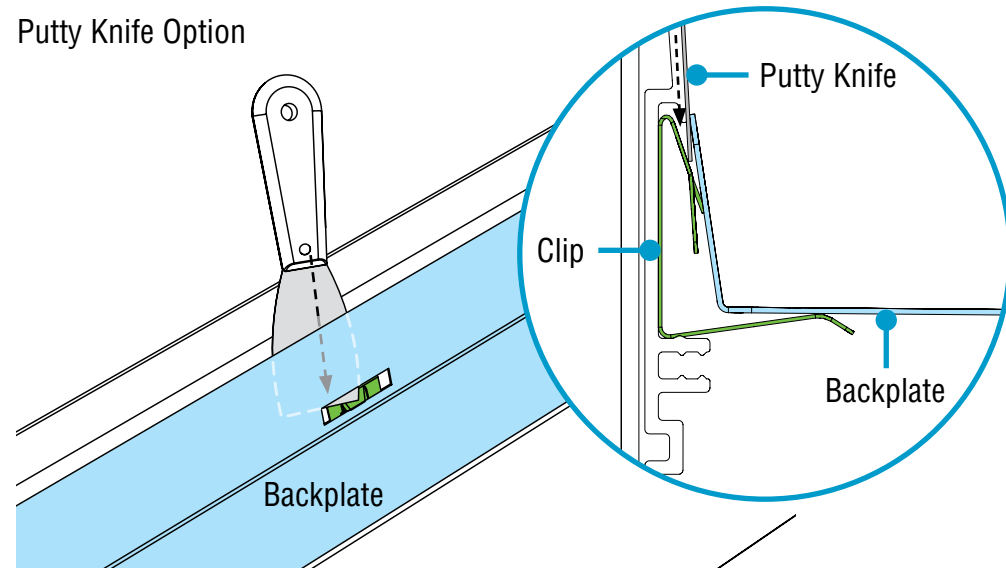
#6 Self-Drilling Screw
Part# 94054
Closing Luminaires
p. 11, Step 9

H04 Recessed T-Bar with Mitered Corners Installation Instructions

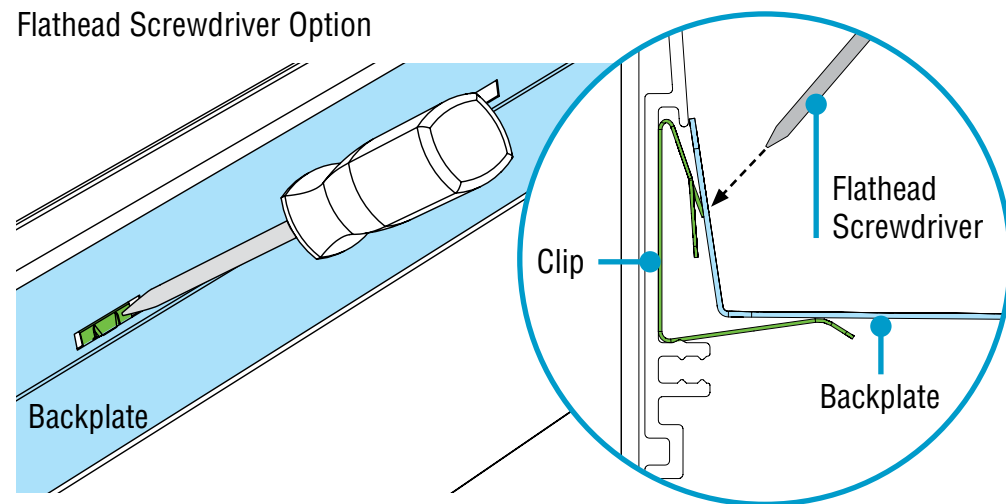
Step 3 - Opening Mitered Corner Sections

A. Release Mitered Corner Backplates Top-Down View

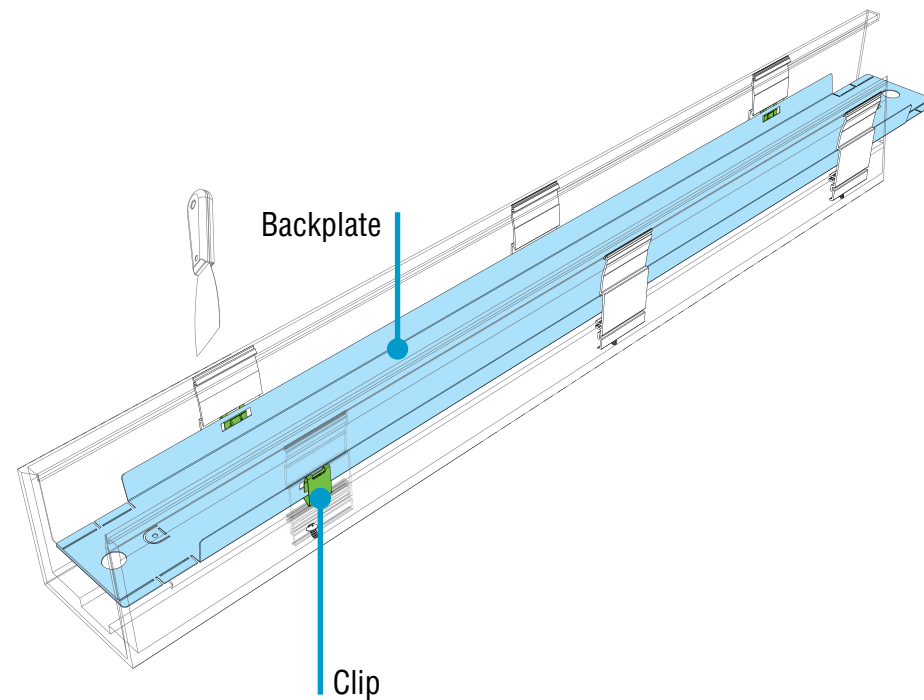
Putty Knife Option



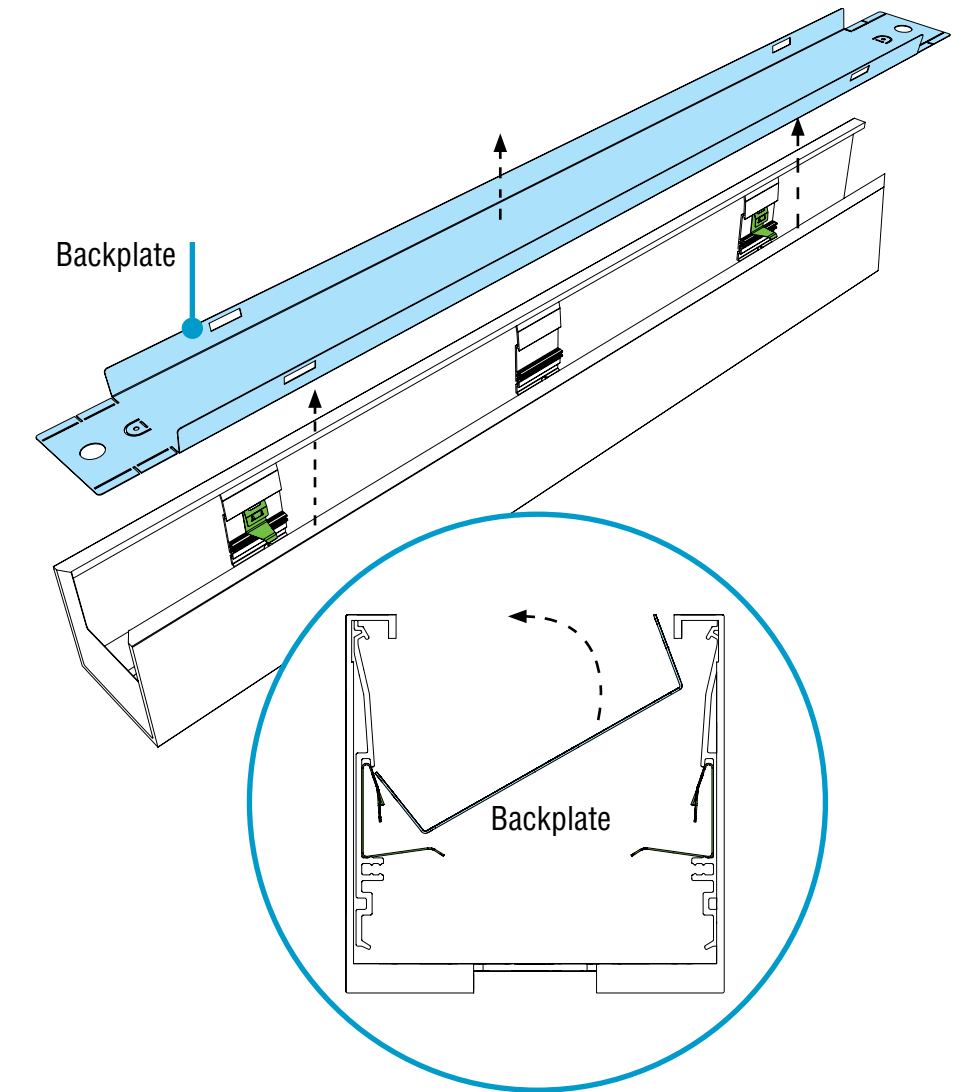
Flathead Screwdriver Option



- Open backplates at mitered corner sections only.
- Release the mitered corner backplates from clips by sliding the blade of a putty knife behind backplate edges.
- To use a flathead screwdriver: From inside mitered corner backplate, press end of screwdriver against the clip until the backplate is released.



B. Remove Mitered Corner Backplates Top-Down View



- Rotate mitered corner backplate out of luminaire and set aside to prevent from getting dirty or damaged.

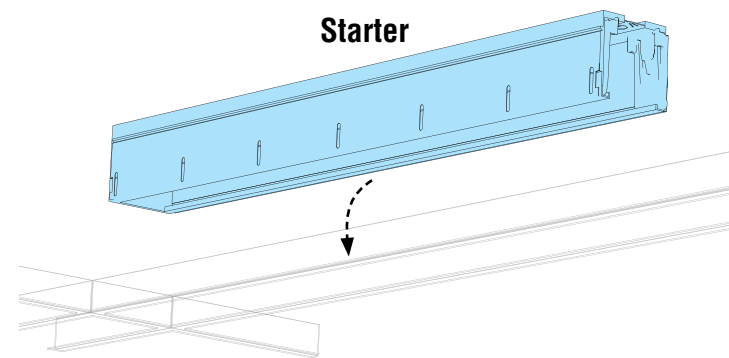


Effortless
Access

H04 Recessed T-Bar with Mitered Corners Installation Instructions

Step 4 - Mounting Starter to Structure

A. Mount Starter to Structure Bottom-Up View



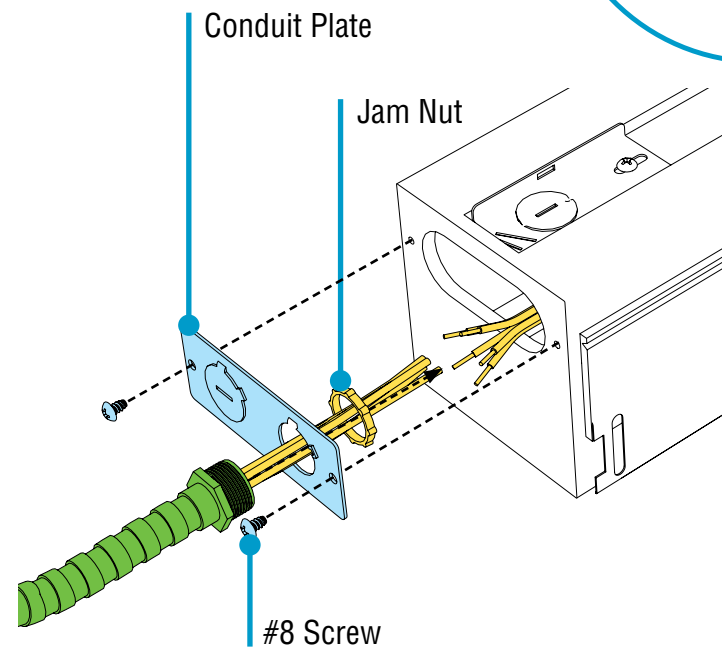
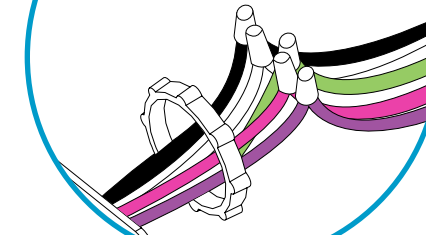
- Maneuver luminaire into ceiling space above T-Bar ceiling.
- Lower luminaire into place onto T-Bar.
- Make electrical connections at **ENDCAP**, at **TOP**, or with **SPLICE BOX**.

B. Make Electrical Connections Top-Down View

WIRING LEGEND

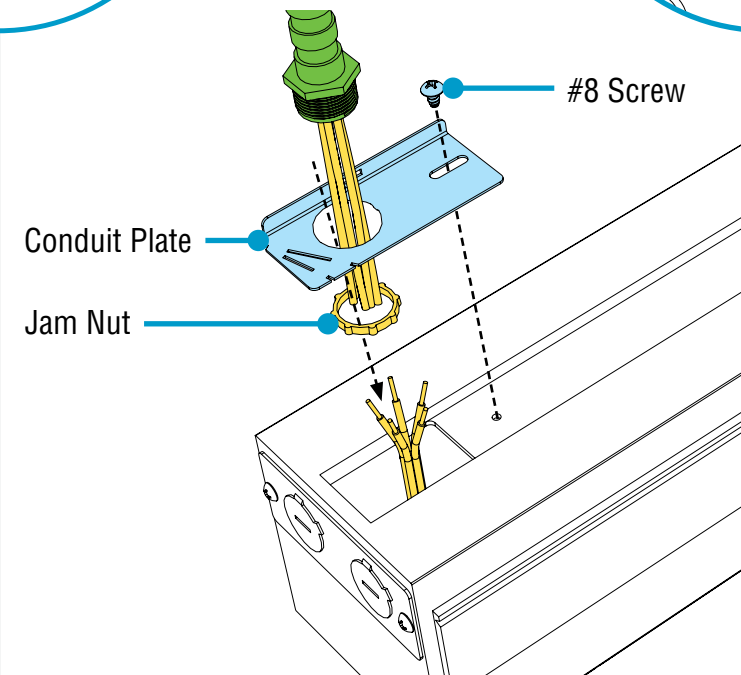
Black	Hot	Line Voltage
White	Neutral	Line Voltage
Green	Ground	
Pink	Dimming	0-10V DC
Purple	Dimming	0-10V DC

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



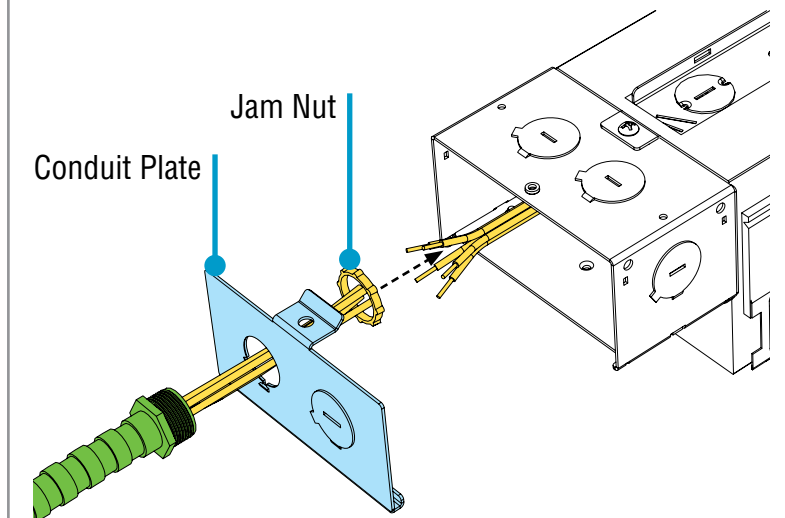
CONDUIT PLATE - ENDCAP (Standard)

- 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.
- **CRITICAL:** If installing mitered corner to starter, **PROCEED TO STEP 7, PG. 9.**




CONDUIT PLATE - TOP (Optional)

- 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.
- **CRITICAL:** If installing mitered corner to starter, **PROCEED TO STEP 7, PG. 9.**



SPLICE BOX (Optional)

- Lift tab to unsnap and remove splice box cover.
- Install conduit and nut onto splice box cover.
- Wire-nut electrical connections. See wiring legend above.
- Reinstall splice box cover. Do not damage any wires.
- **CRITICAL:** If installing mitered corner to starter, **PROCEED TO STEP 7, PG. 9.**

 Flex Conduit
(by others)



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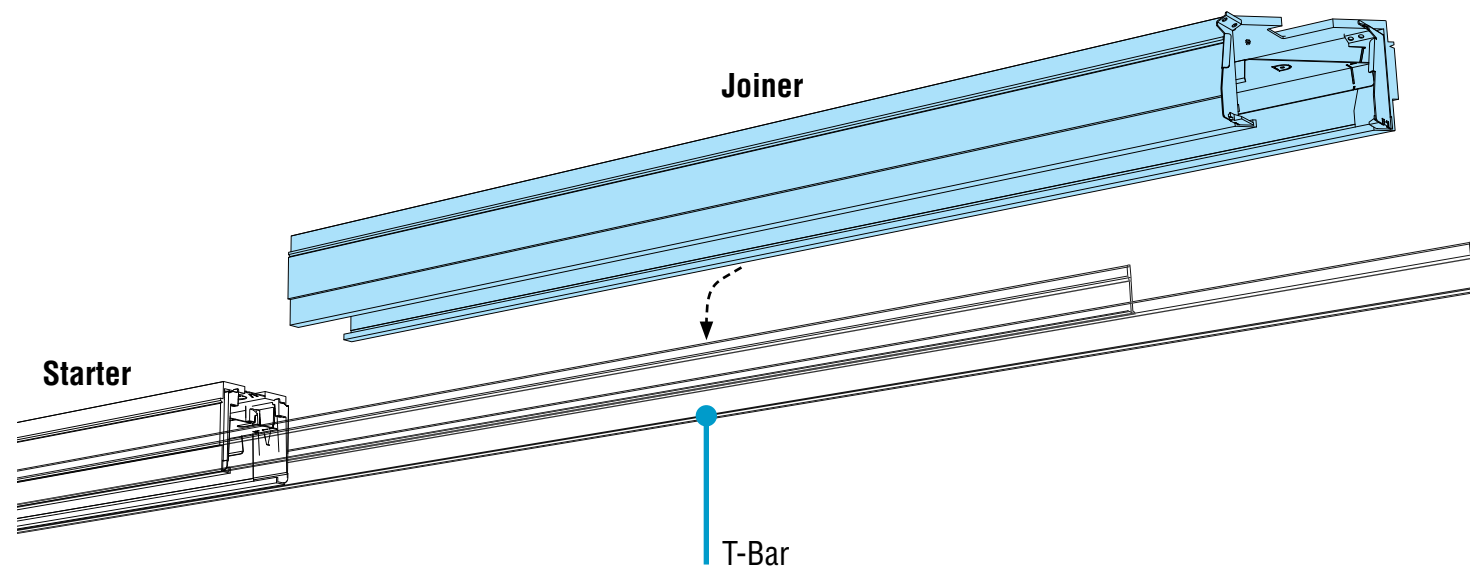
Step 5 - Joining Luminaires

A. Mount Joiner to Structure Bottom-Up View



CAUTION

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



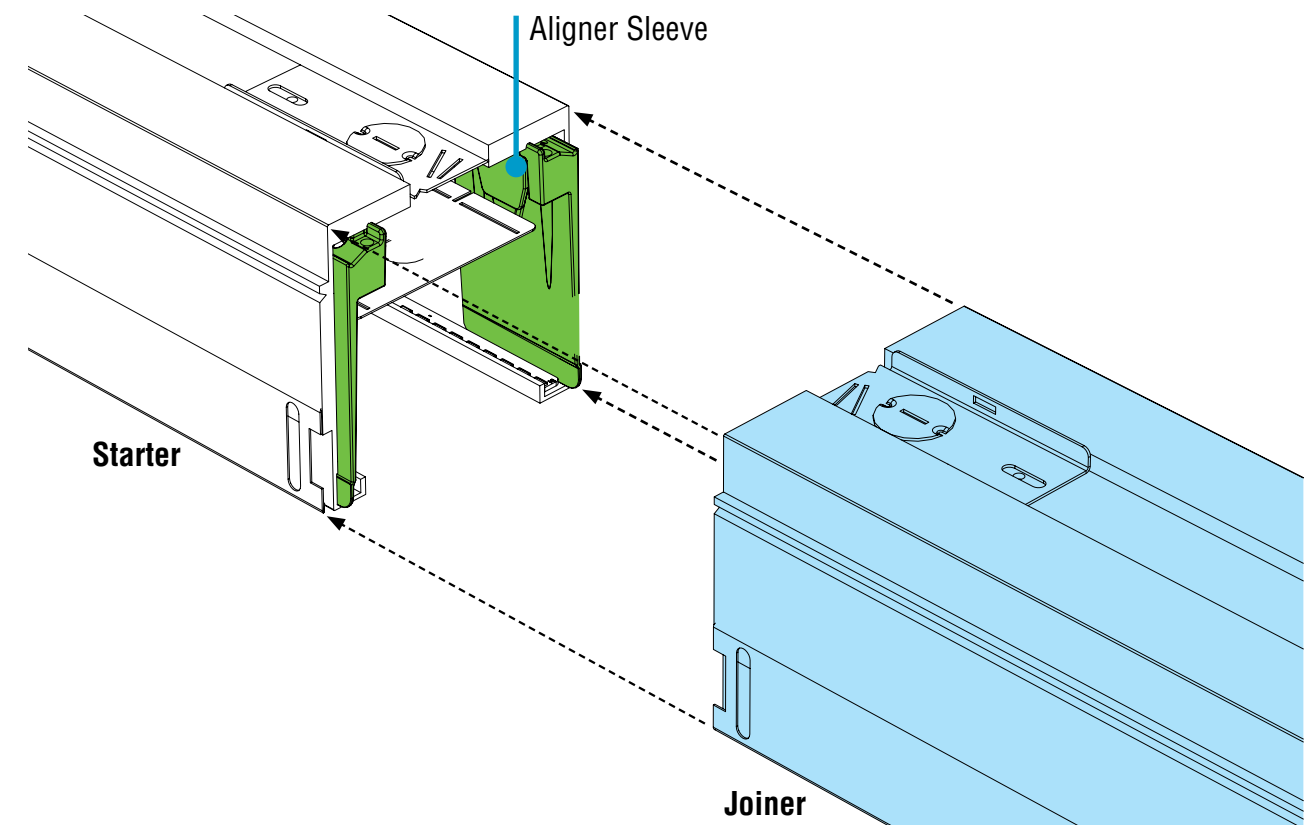
- **FOR SENSOR:** If luminaire contains a sensor at joint, refer to page 4 of Sensor Addendum before joining luminaires.
- Maneuver joiner into ceiling space above T-Bar ceiling.
- Lower joiner into place onto T-Bar.

B. Make Electrical Connections Top-Down View



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.



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

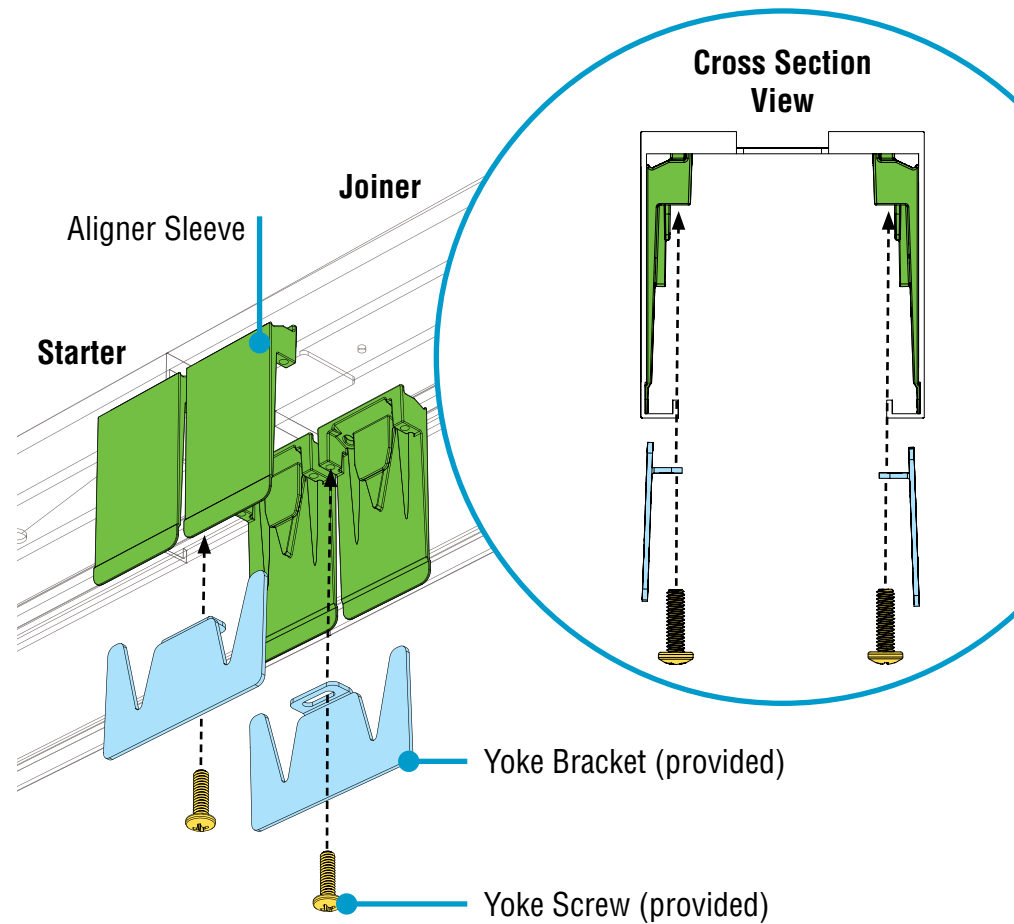


Universal &
Robust Joints

H04 Recessed T-Bar with Mitered Corners Installation Instructions

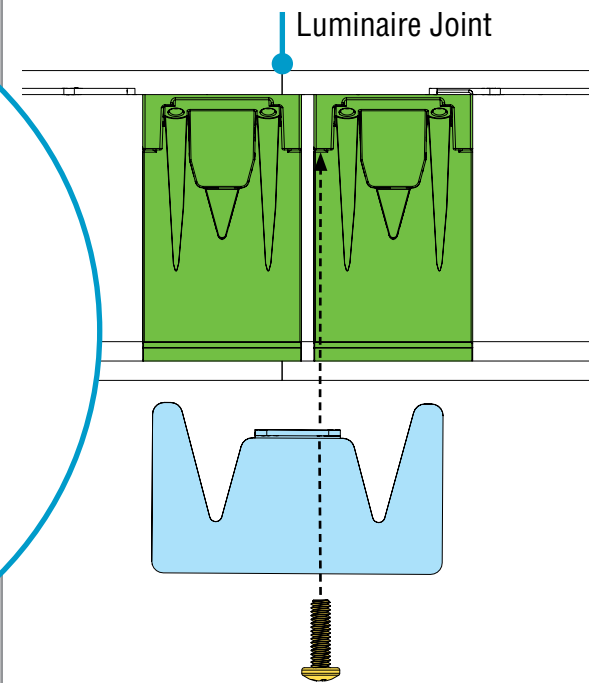
Step 6 - Securing Luminaire Joints

A. Secure Joint with Yoke Brackets Bottom-Up View

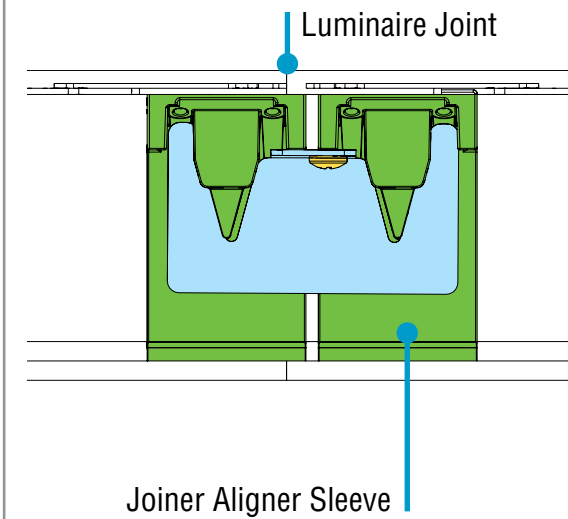


- Before installing yoke brackets, ensure the joining ends of luminaires meet flush and square.
- **CRITICAL:** Ensure yoke brackets properly engage with aligner sleeves.
- Secure joint by using a screwdriver¹ to tighten yoke screws through yoke brackets and into the aligner sleeves until joint seam of luminaire is closed.

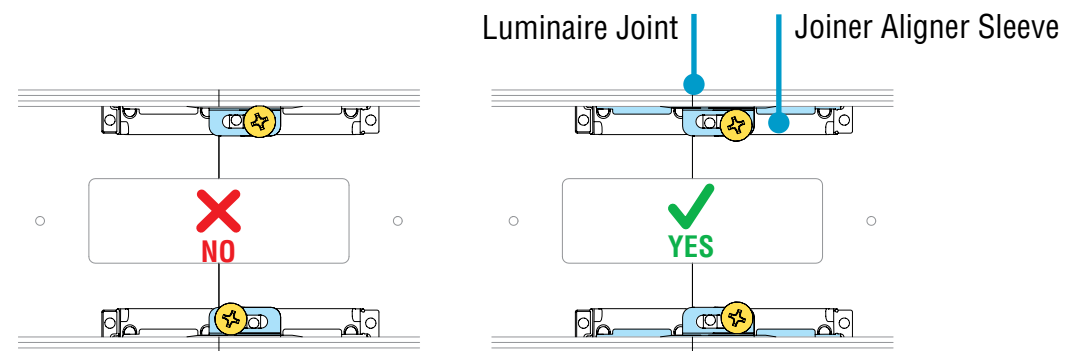
IN ALIGNMENT



CORRECTLY INSTALLED

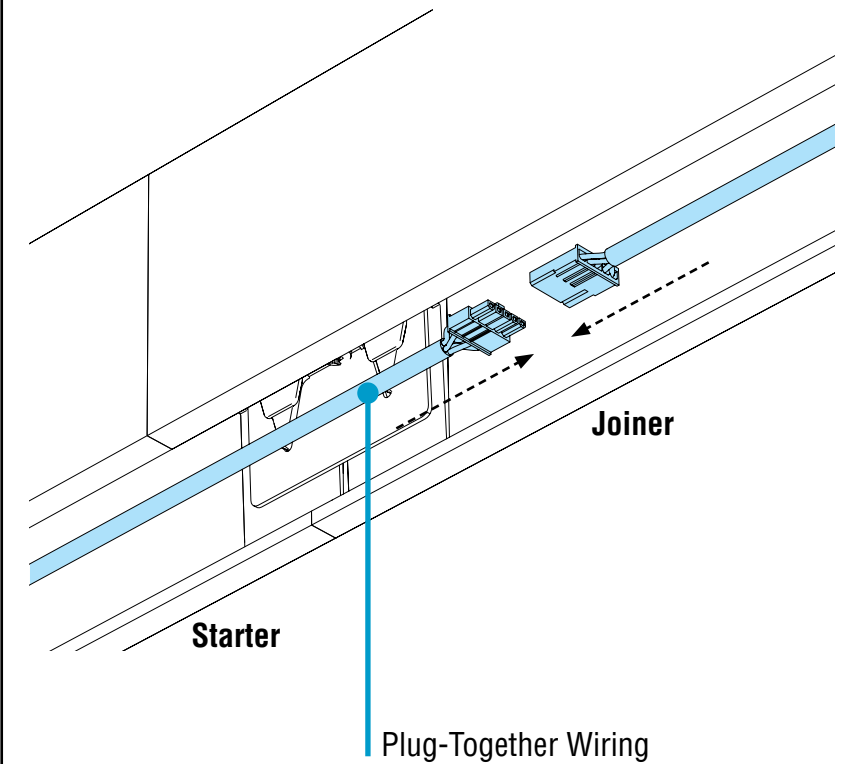


YOKE SCREW ALIGNMENT Bottom-Up View

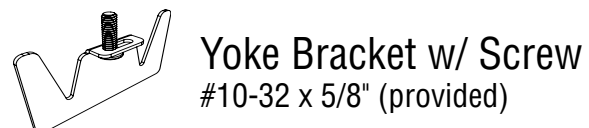


NOTE: Yoke screws should be installed directly across from each other, not diagonally, and in holes furthest from the joint line. One yoke screw per one yoke bracket.

B. Make Electrical Connections Bottom-Up View



- Connect plug-together wiring.



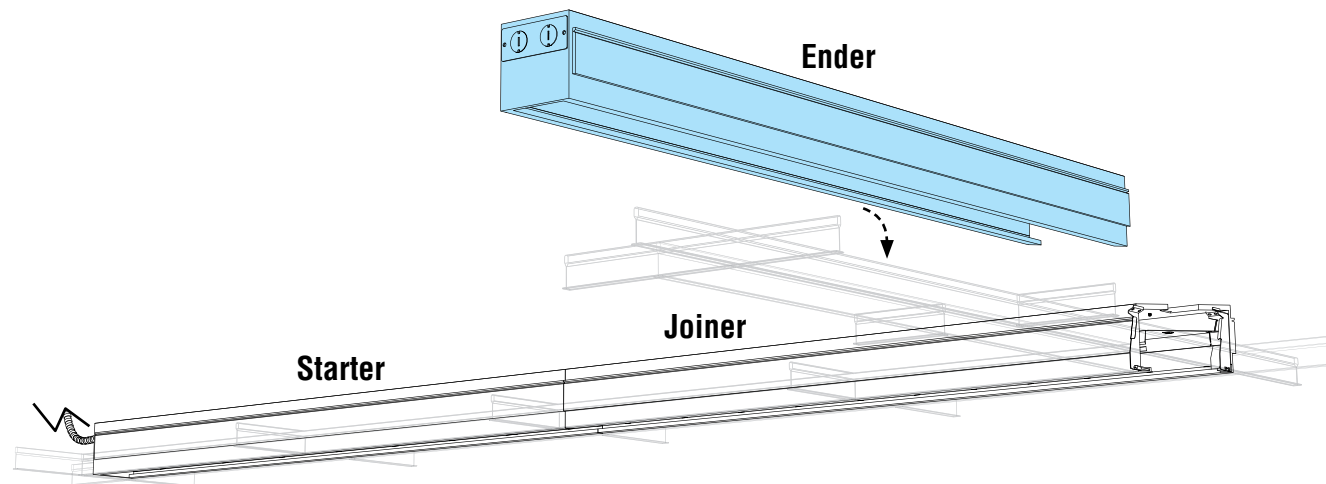
¹ Screwdriver with 6" bit required.



H04 Recessed T-Bar with Mitered Corners Installation Instructions

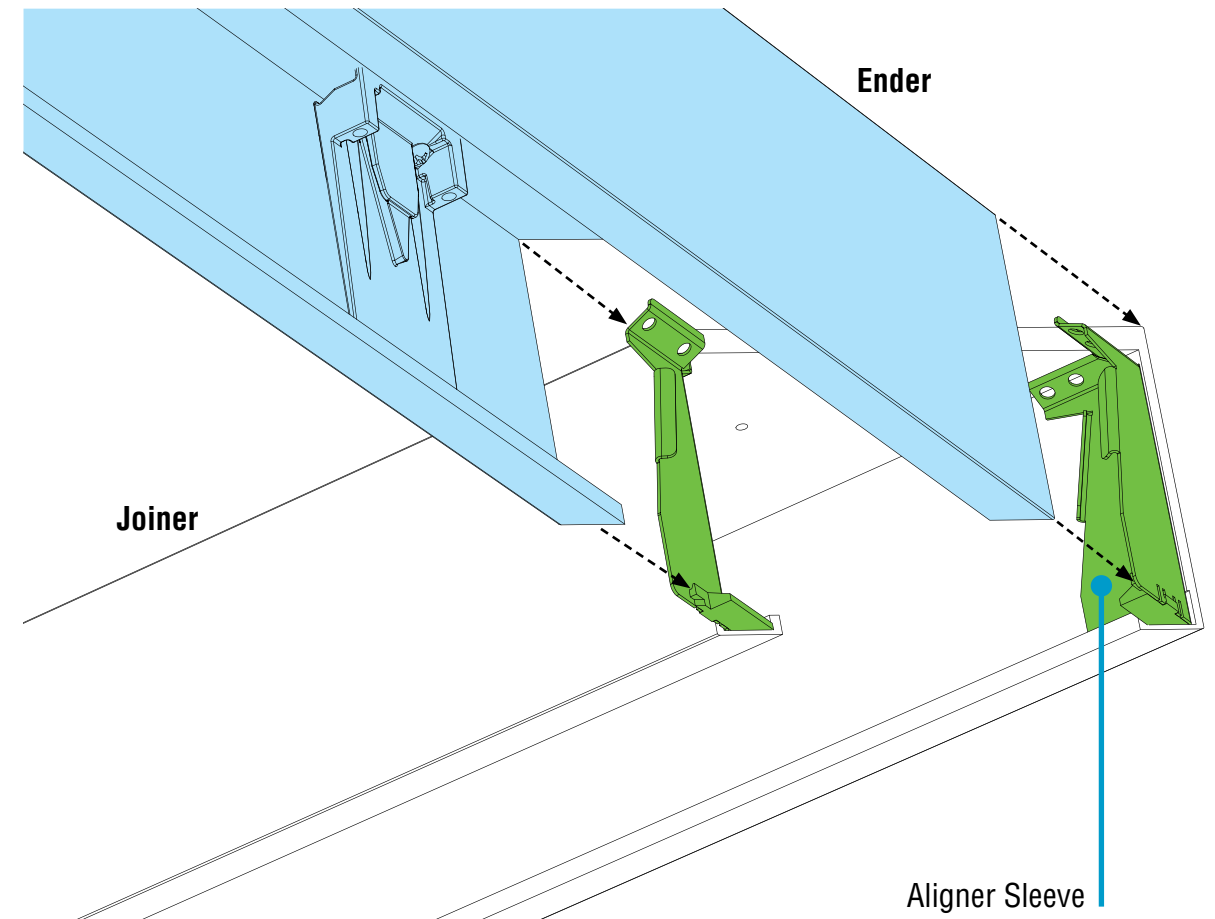
Step 7 - Joining Mitered Corners

A. Mount Ender to Structure Bottom-Up View



- Maneuver mitered ender onto ceiling and position onto T-Bar.

B. Join Mitered Corners Bottom-Up View

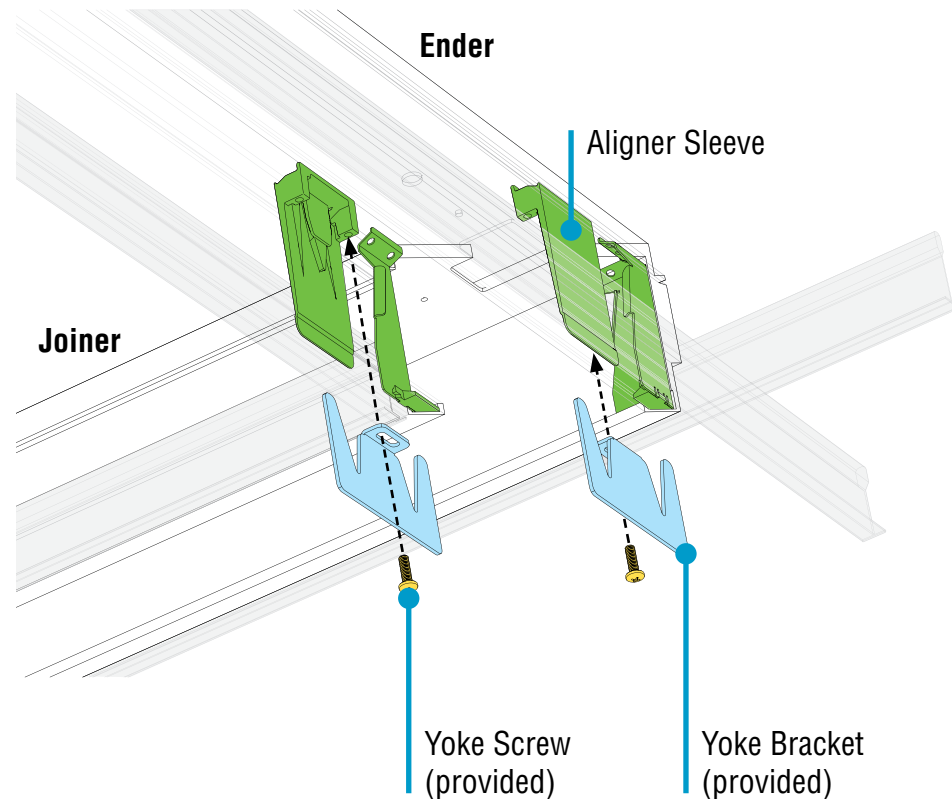


- Align mitered ender luminaire with aligner sleeves on joiner and slide together. Be careful not to damage any wiring.
- If necessary, **lift** both luminaires, then slide together.

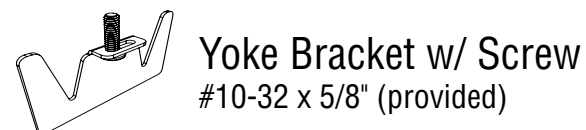
H04 Recessed T-Bar with Mitered Corners Installation Instructions

Step 8 - Securing Corner Joints

A. Secure Joint with Yoke Brackets Bottom-Up View

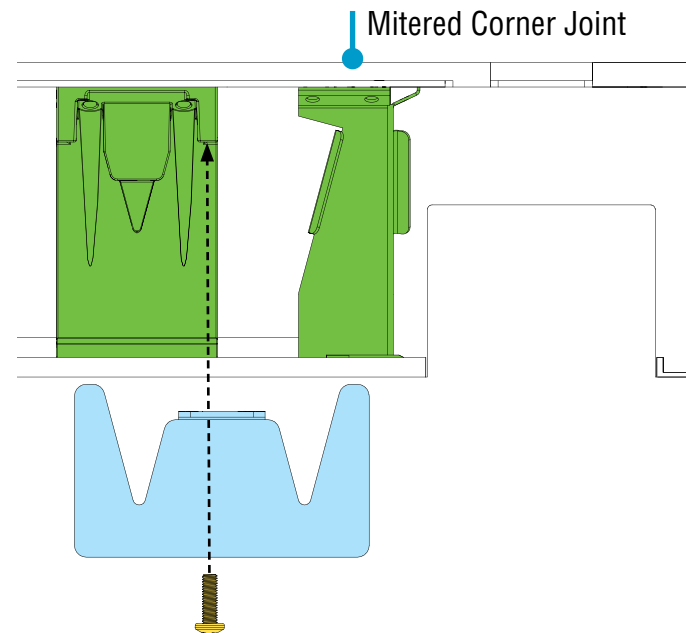


- Before installing yoke brackets, ensure the joining ends of luminaires meet flush and square.
- **CRITICAL:** Ensure yoke brackets properly engage with aligner sleeves.
- Secure joint by threading (but not yet tightening) yoke screws through yoke brackets and into the aligner sleeves.
- Tighten yoke screws¹ until joiner and ender seam of luminaires is closed.

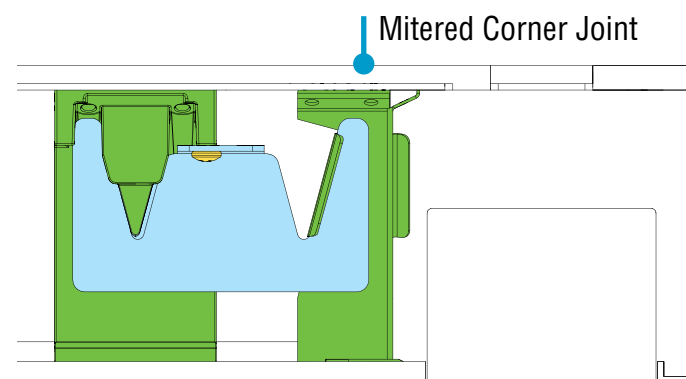


¹ Screwdriver with 6" bit required.

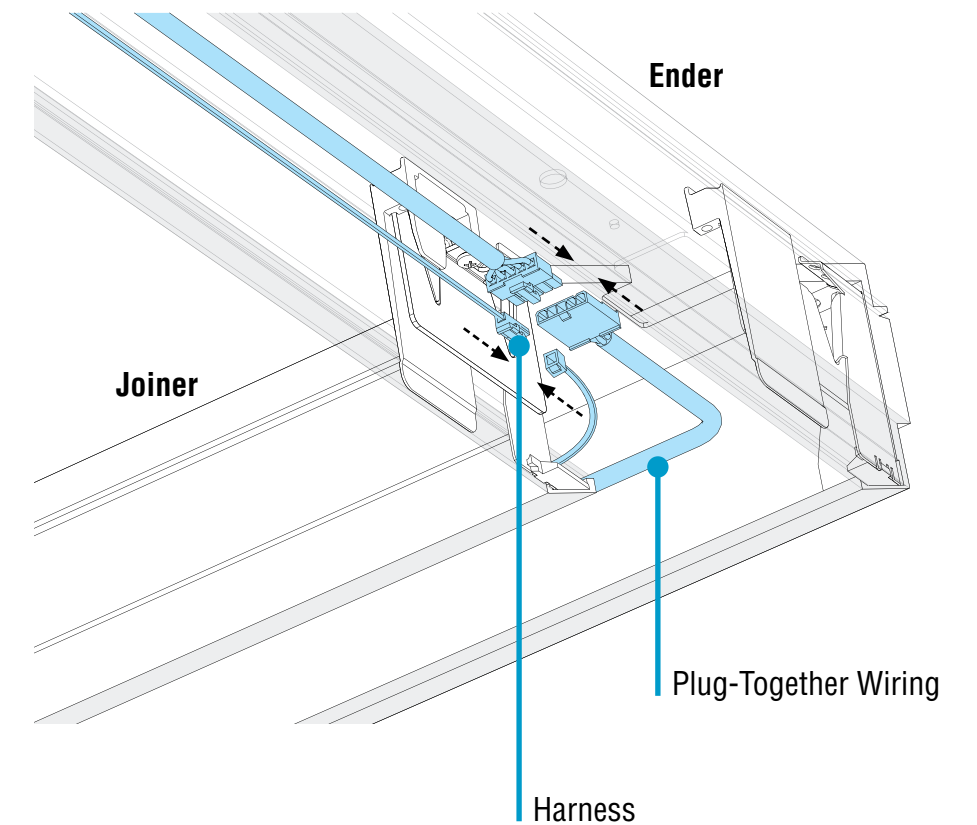
IN ALIGNMENT



CORRECTLY INSTALLED



B. Make Electrical Connections Bottom-Up View



- Connect plug-together wiring and LED harness.

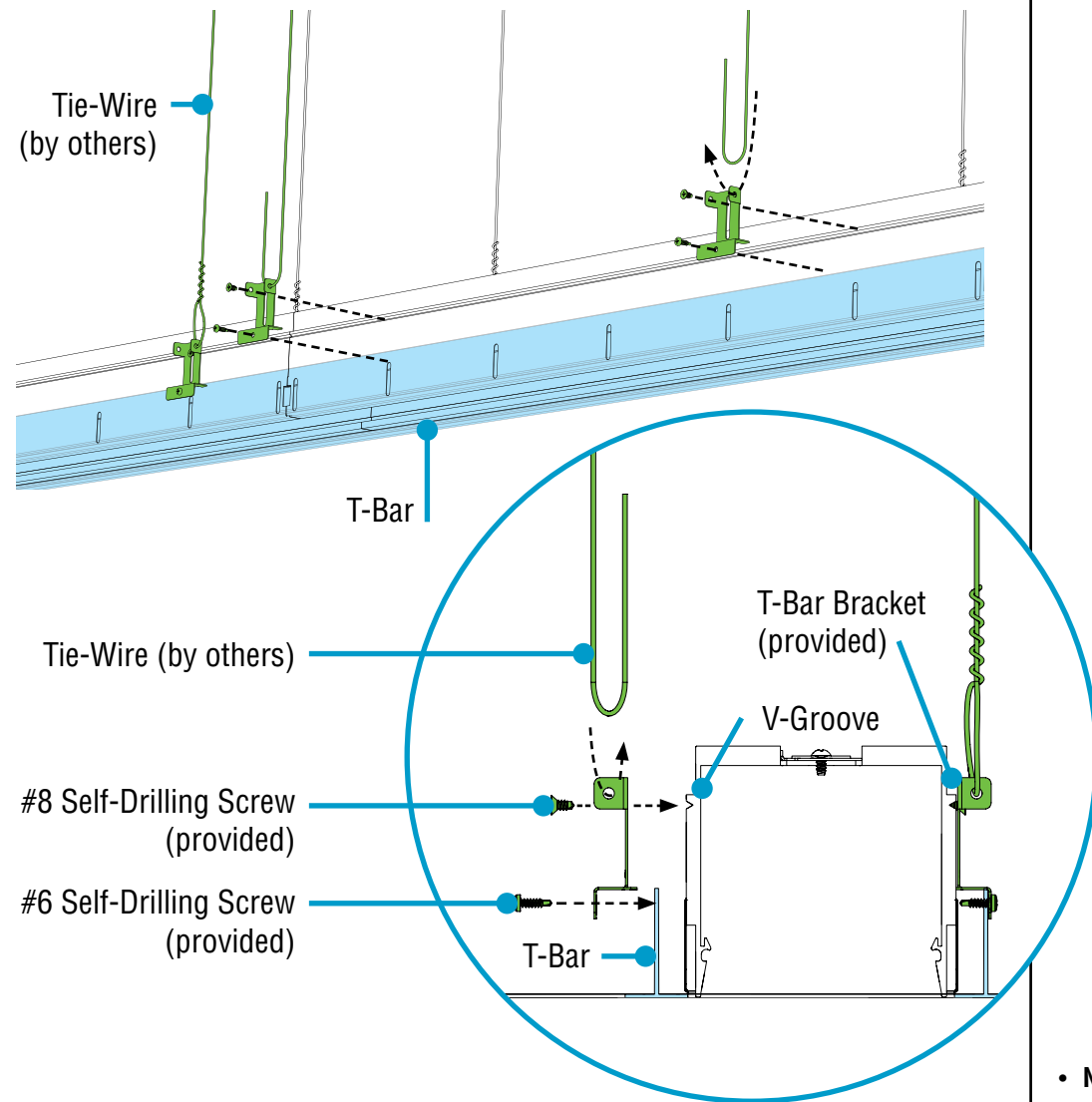


Simple
Plug-Together
Wiring

H04 Recessed T-Bar with Mitered Corners Installation Instructions

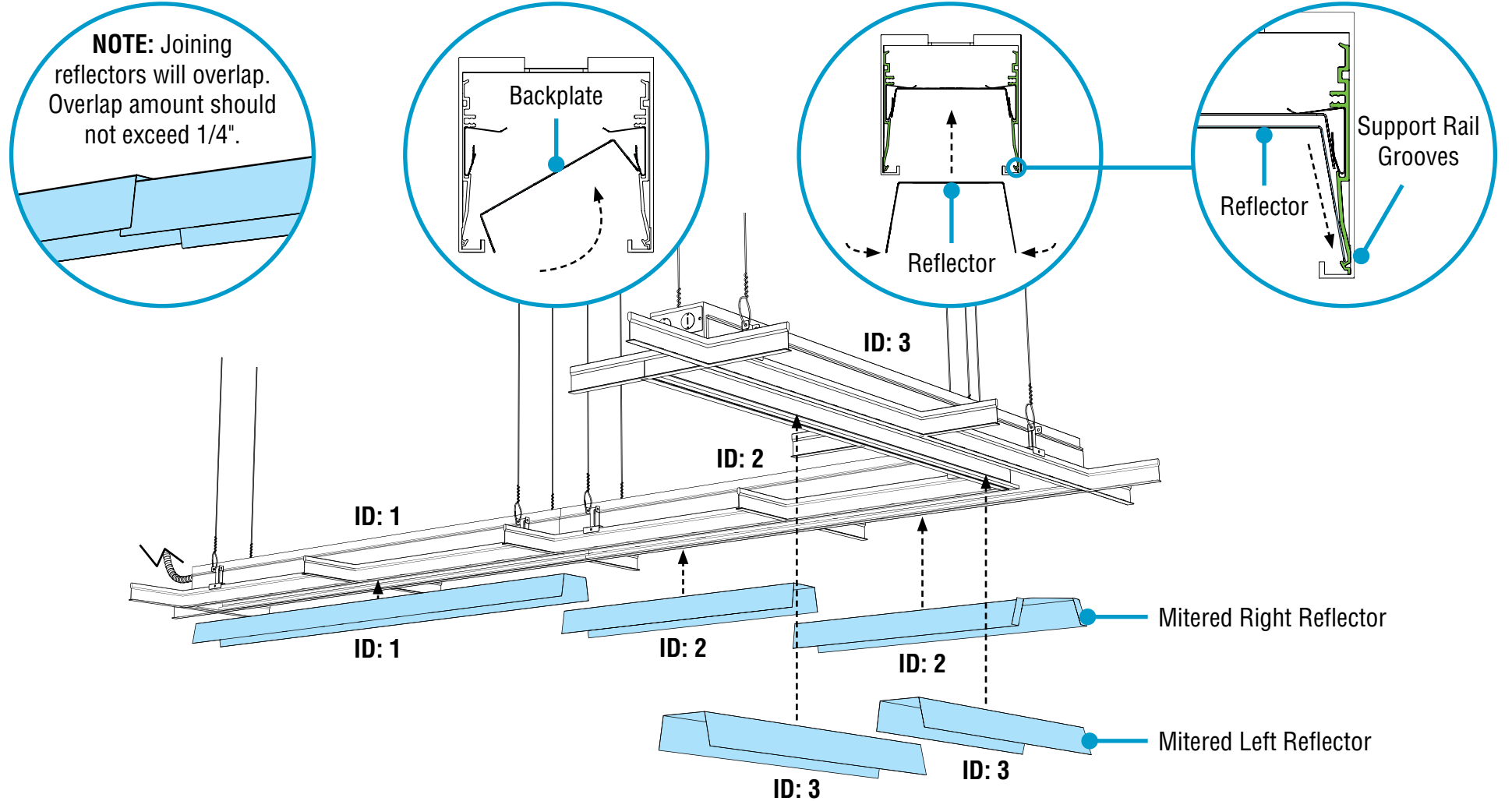
Step 9 - Closing Luminaires

A. Secure to Structure Bottom-Up View



- Use #8 self-drilling screws to mount brackets onto luminaire. Drill the screw 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 - Install Backplates & Reflectors Bottom-Up View




- **NOTE:** If your installation includes a battery backup, please see addendum (98333) that should be included with your kitting package.
- Reinstall mitered corner backplates by rotating into luminaire body and snapping into clips.
- **FOR SENSOR:** If luminaire contains a sensor at joint, refer to page 6 of Sensor Addendum before Closing Luminaires.
- **CAUTION:** Wear gloves to keep reflector surface clean. Be careful not to crease material. Make all adjustments to placement before settling on final position of reflector.
- Remove reflectors from protective plastic bag prior to installing.

- **CRITICAL:** Be sure to install correct reflector to its corresponding luminaire ID.
- Install reflector by squeezing in sides and inserting into luminaire body.
- Ensure reflector is pulled down so that its bottom edges catch the groove of the support rail.
- **NOTE:** Reflectors installed in joiner and ender luminaires are 1/4" longer. When installing the reflectors, overlap the reflector of the previous luminaire section by 1/4".
- **FOR MITERED CORNERS:** Mitered right reflectors are installed first. Mitered left reflectors overlap mitered right reflectors.
- Turn power on to luminaires.

 #8 Self-Drilling Screw (provided)

 #6 Self-Drilling Screw (provided)

 T-Bar Bracket (provided)

 Tie-Wire (by others)



Reflector Installation