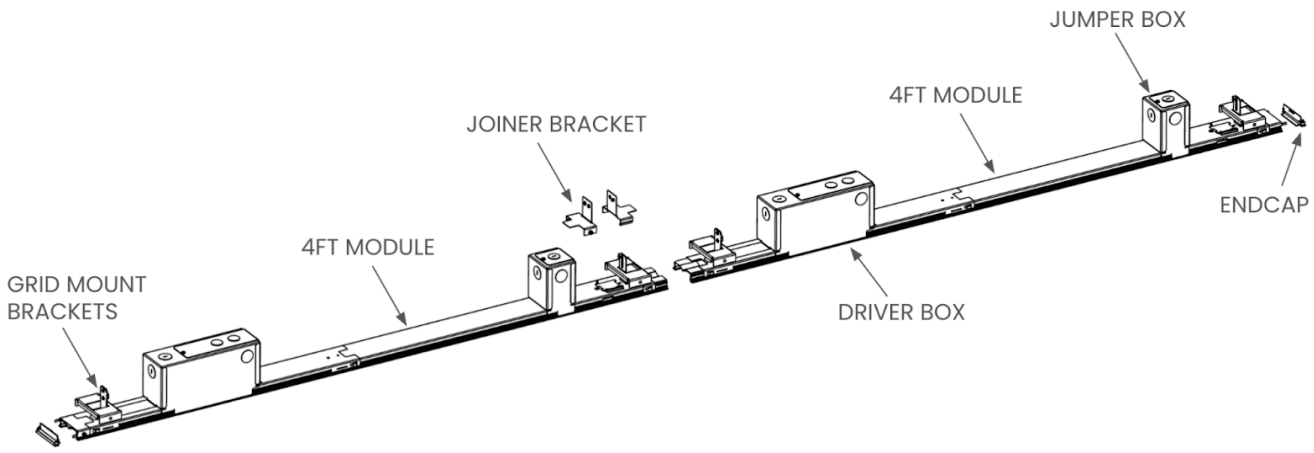
Install Instructions

NT2 Interspace - Grid (GR)

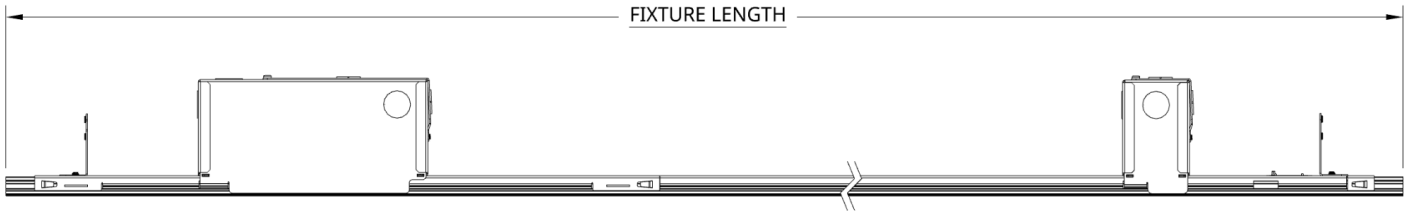
SYSTEM OVERVIEW

TWO 4FT FIXTURES - CONTINUOUS RUN



FIXTURE NOMINAL LENGTHS

Fixture Length	3V	4FT SHORT	5FT	6FT SHORT	7FT	8FT SHORT	8FT
Length (ft-in)	23 - 36	47	60	71	84	95	96
Length (mm)	584.2 - 914.4	1193.8	1524.0	1803.4	2133.6	2413.0	2438.4



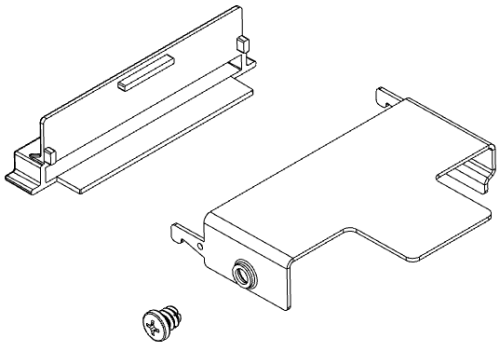
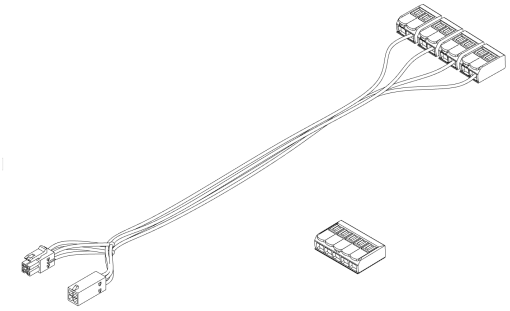
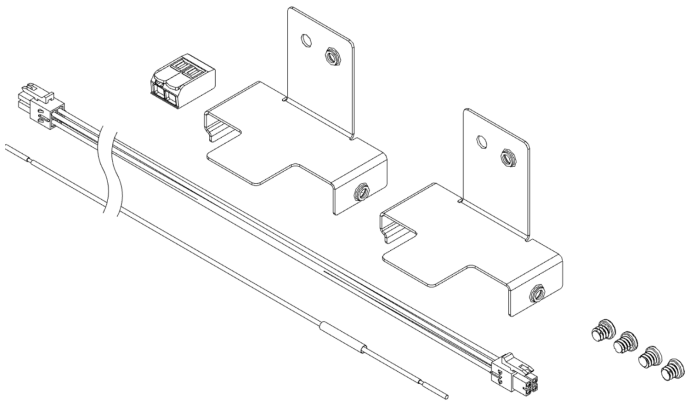
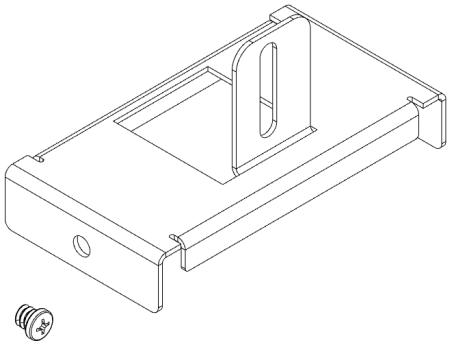
Product specifications and dimensions may change without notice due to ongoing product improvements.

Not all options are compatible with all product selections.

For the most up-to-date technical information, please visit www.mindsetlighting.com.

Install Instructions

NT2 Interspace - Grid (GR)

Endcap Kit	Power Drop Kit
• 1 x Aluminum Diecast Endcaps White • 1 x 10-32 screws • 1 x Endcap joiner 	• 1 x Wire harness • 4 x 2 Lever WAGOs • 1 x 5 Lever WAGO 
Joining Kit	**Mounting Kit**
1 x Ground Wire Connect ● 2 x Joiner Brackets ● 1 x 2 lever WAGO ● 4 x 10-32 screws 	1 x Grid Mount Bracket ● 1 x 10-32 screws 

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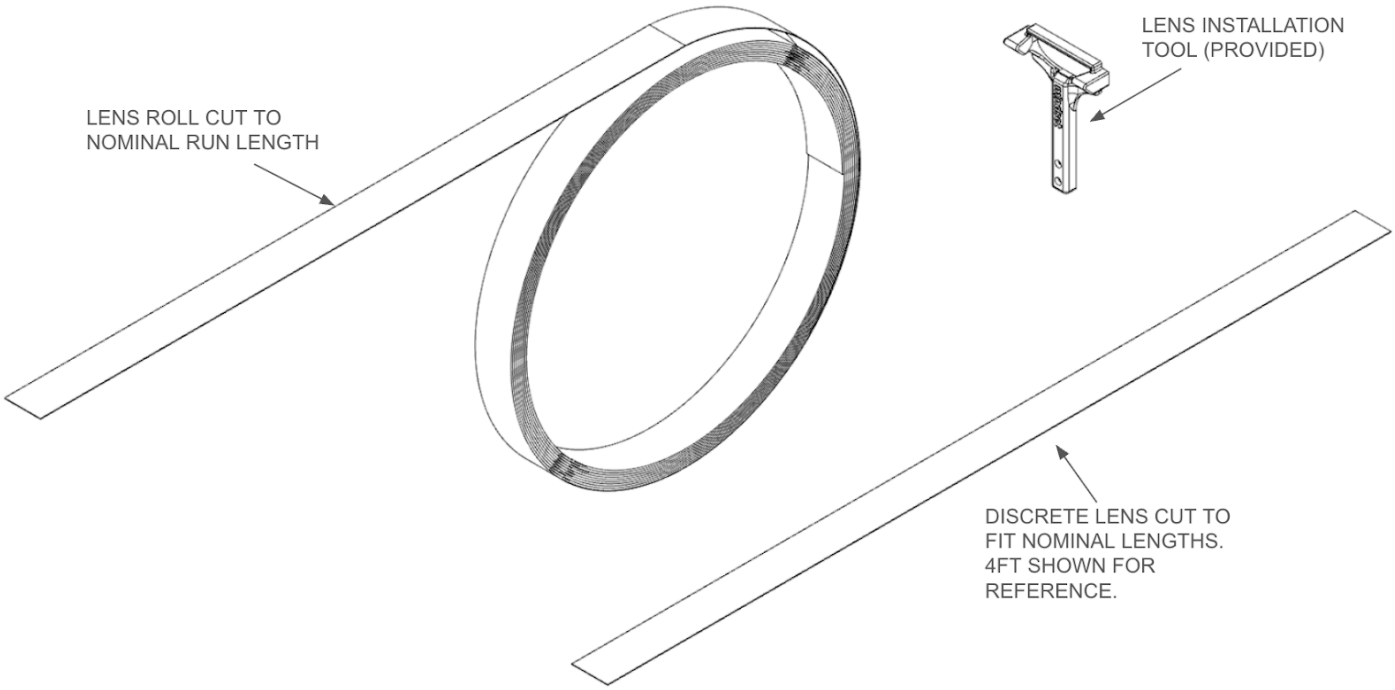
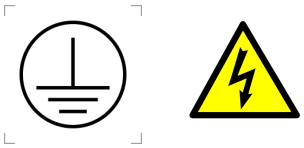
LENS + LENS INSTALL TOOL



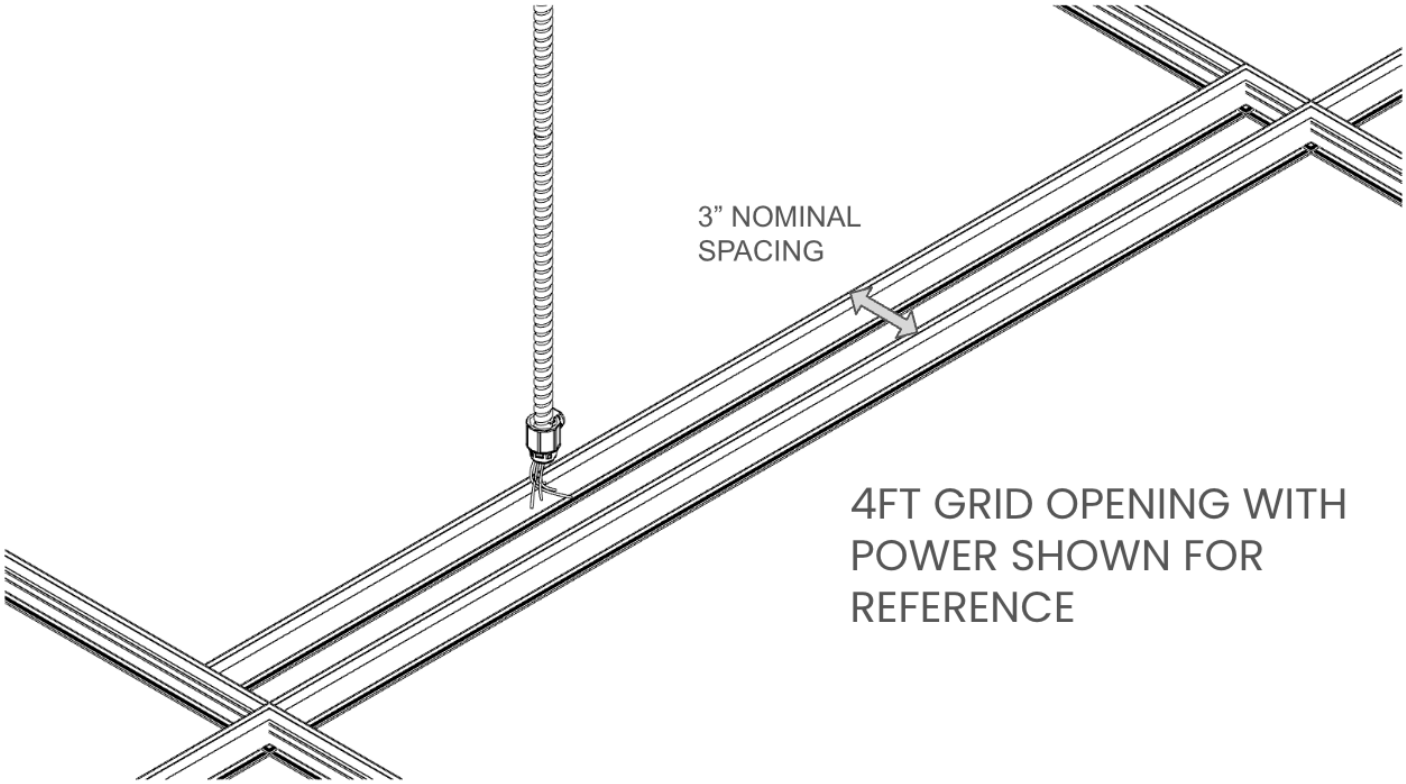
Note: For discrete the lens comes cut to nominal length. For continuous runs, the lens comes on a roll cut 1" longer than the nominal run length.

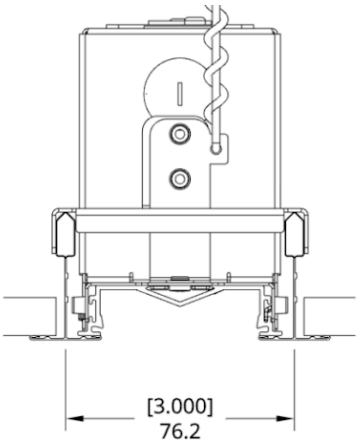
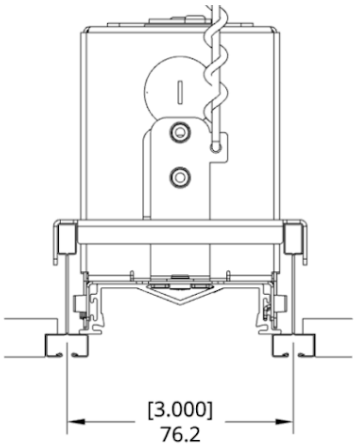
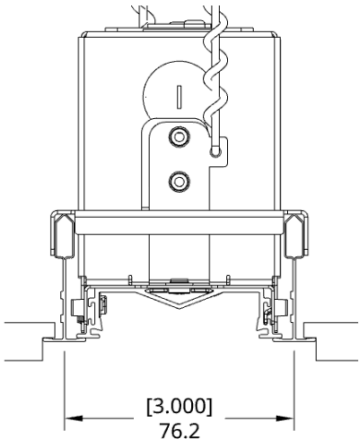
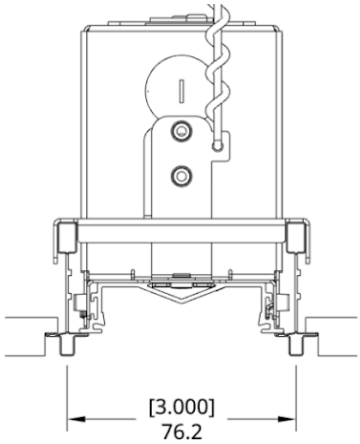
INFORMATION

DRYWALL	TOOLS & MATERIALS REQUIRED
• For drywall installation, refer to drywall installation instructions for CM + CT versions.	Tools: • Phillips Screw Driver • Pliers • Lens Installation Tool (provided) Materials: • Hanger wire (by others) • #8 Sheet Metal Screws (by others)
IMPORTANT	**WARNINGS**
• Read all instructions including wiring and mechanical details before the start of the installation. • Install in accordance with the local and national building and electrical codes. • Do not join fixtures on the ground and raise them into place. This will damage the fixtures due to the significant forces on the joining brackets. • Fixture through wiring is 18 AWG. Calculate maximum row length per fixture watts per foot and local and national building codes. • Contact the factory if you require assistance or have questions.	 • **Shock hazard!** Fixtures must be connected to building ground via provided ground wire before connecting to main supply power. • Disconnect or turn off power supply before attempting any installation maintenance or servicing operations. • **CCEA applications** driver box and jumper box **can not** be adjusted.

CEILING PREPARATION

T-GRID CEILING
Interspace is designed to fit in a nominal spacing of 3" (76.2 mm) opening of different grid types. Prepare ceiling grid as per layout drawings and plan locations for fixtures. Install power drops as per layout drawings. Remove adjacent ACT tiles to allow for access from above to complete installation steps.



FLAT:: 9/16" | 15/16"	BOLT SLOT: 9/16"
	
TEGULAR: 9/16"	**INTERLUDE: 9/16"**
	

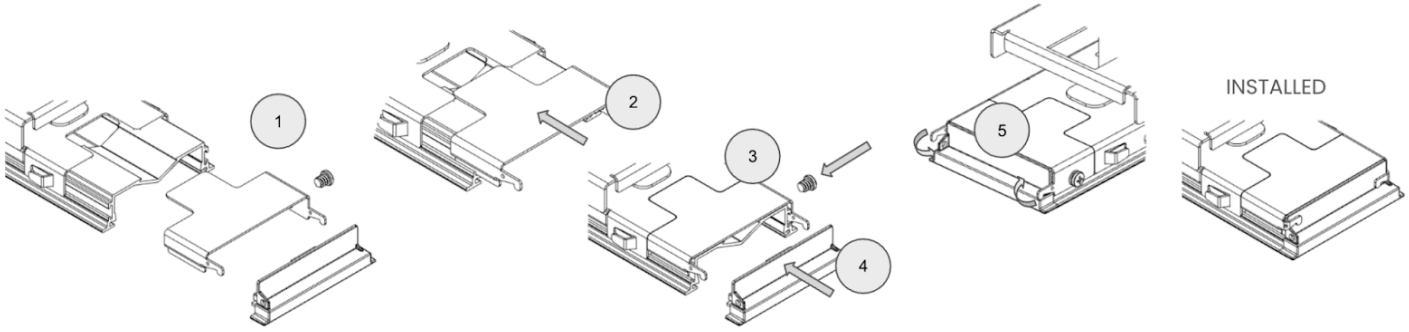
INSTALLATION STEPS - DISCRETE

1. PLACE BOXES

Place boxes on ground below location as per layout drawings and plan. Unpackage fixture from package. Do not remove protective plastic and any care labels during installation.

2. Install endcap(s)

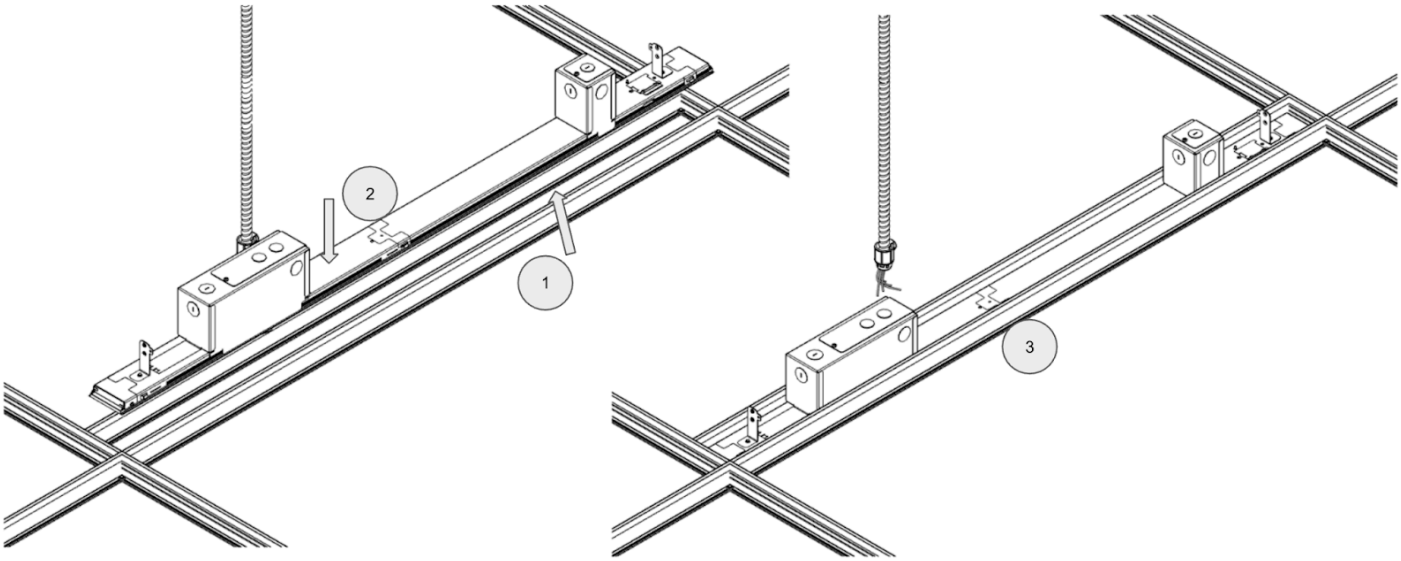
Gather endcap kit(s), install end cover onto extrusion and hand tighten with screw. Next install diecast endcap into end and secure in place by folding over tabs onto back face of diecast endcap.



Note: For a continuous run installation, the endcaps only need to be installed on the starter fixture and end fixture.

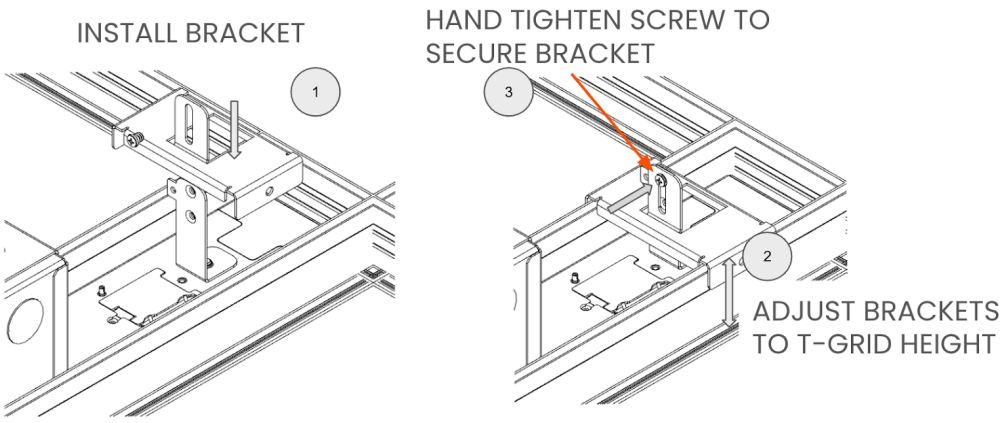
3. Raise fixture into T-grid opening

Raise fixture to T-grid opening, pass through T-grid system on the adjacent side. Align fixture to 3" wide opening and lower fixture into the opening to rest in place.



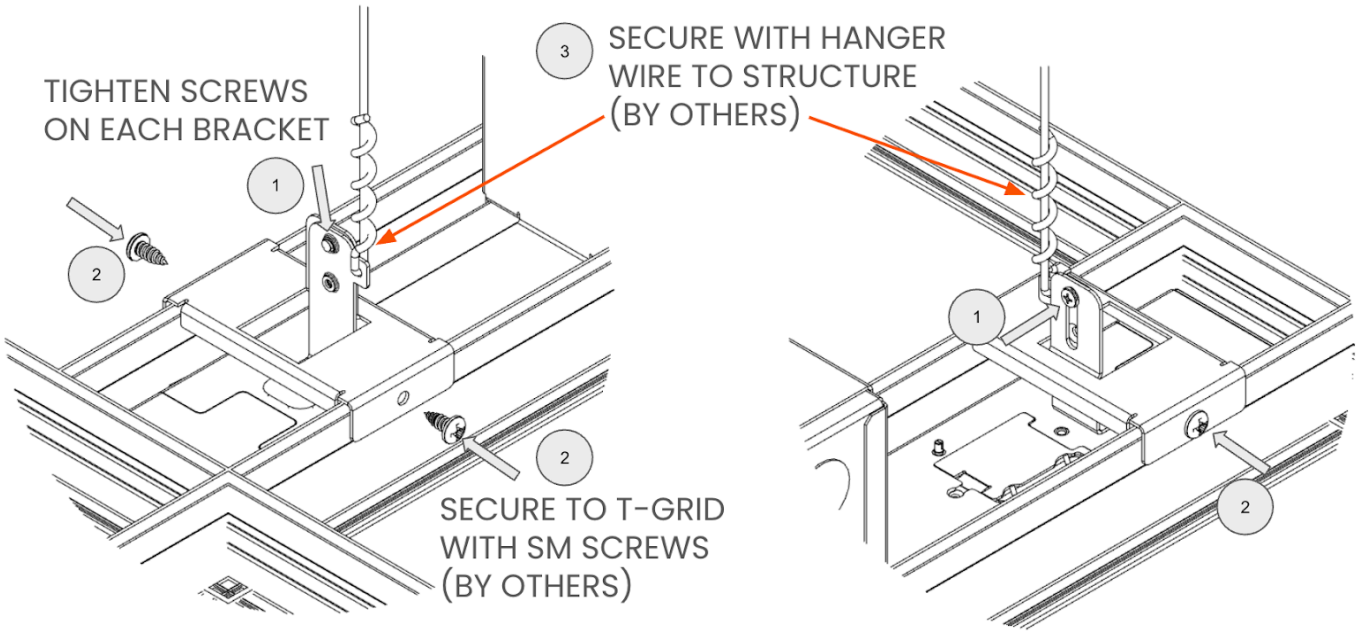
4. Install grid mount brackets

Gather grid mount bracket kit(s). Install bracket(s) with screw to L-bracket on fixture.



5. Once seated secure fixture in place

Ensure all screws are tightened for T-grid bracket to fixture L-bracket. Secure bracket to T-grid with SM screw (by others). Tie off bracket to structure with hanger wire (by others) as per local building and electrical codes.

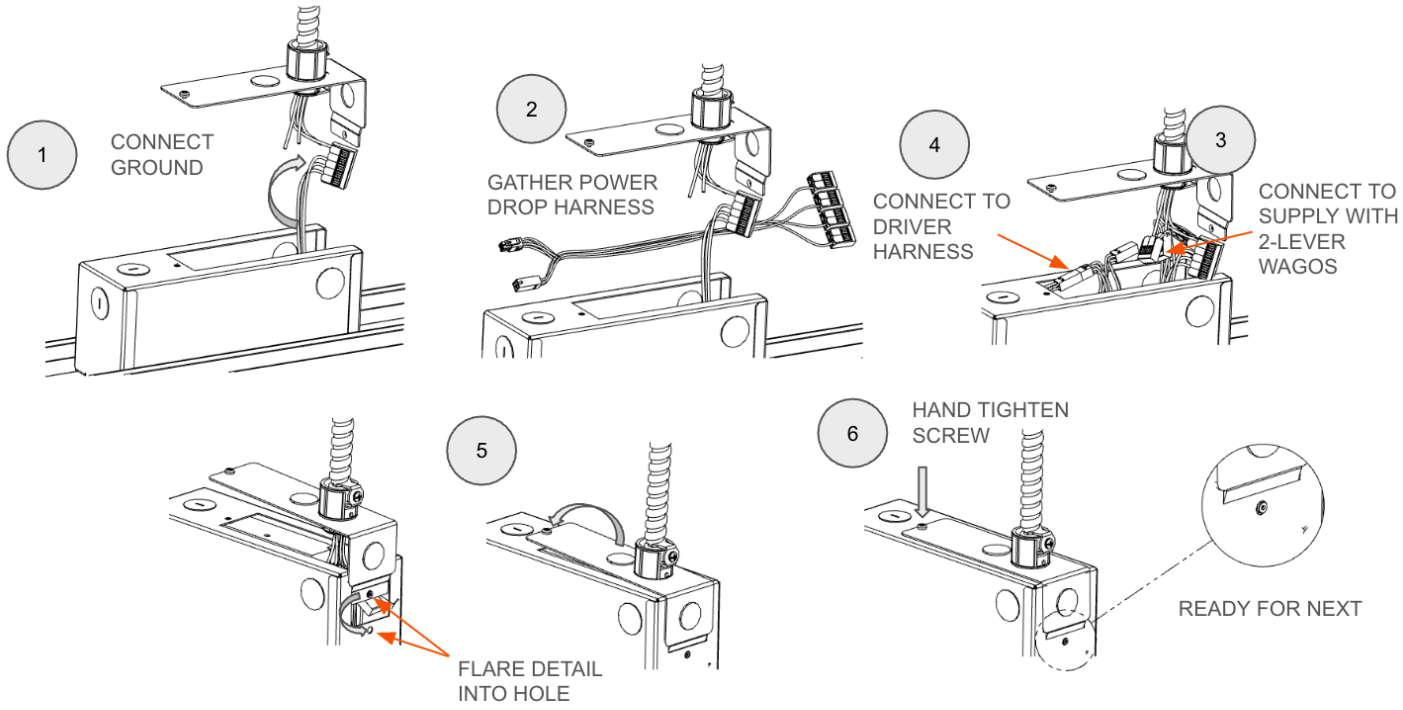


6. Prepare Power Connection

Loosen captive screw from driver box to remove wire access cover (WAC) from driver box. Remove EKO and install WAC onto an armored cable, quick connect shown for reference.

7. Gather the power drop kit and complete electrical connections

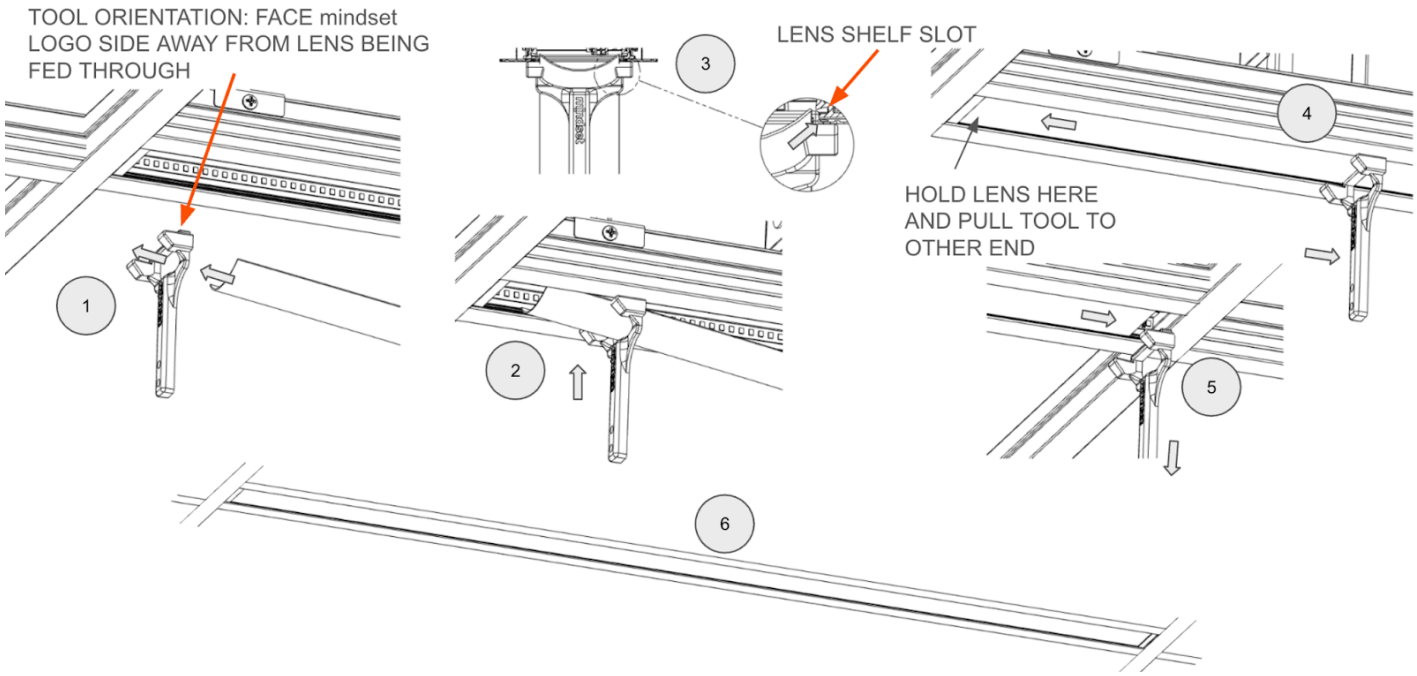
1. Gather ground wires from inside the driver box to connect ground wire to supply ground with provided 3 or 5-Lever WAGO. **2.** Gather power drop harness. **3.** Complete electrical connections to supply wires with provided 2-lever WAGOS. **4.** Gather driver connector harness from inside driver box and connect to power drop harness connector. **5.** Safely feed the connected wires into the driver box and reinstall the WAC. **6.** Secure WAC to driver box with the screw.



Note: 5-lever WAGO shown for references.

8. Install lens

Gather lens and lens installation tool. **1.** Next take one end of the lens and bend with your hands and feed through the install tool. Note: The orientation of the tool is important see image below. **2.** Allow for ~4 inches of the bent lens to pass through the tool to provide enough length for the lens to feed into the shelf. **3.** Raise to fixture aperture and insert lens into lens shelf slots. **4.** Hold the lens and push the lens tool into aperture and slide the tool along the trim face. The lens will feed into the shelf pocket. **5.** Slide to the opposite end. **6.** Once at the end slide the lens into the expansion pocket in the starter endcap, this will allow the tool to slide off the lens and be removed. Center lens and reinstall the ceiling tiles, finished.



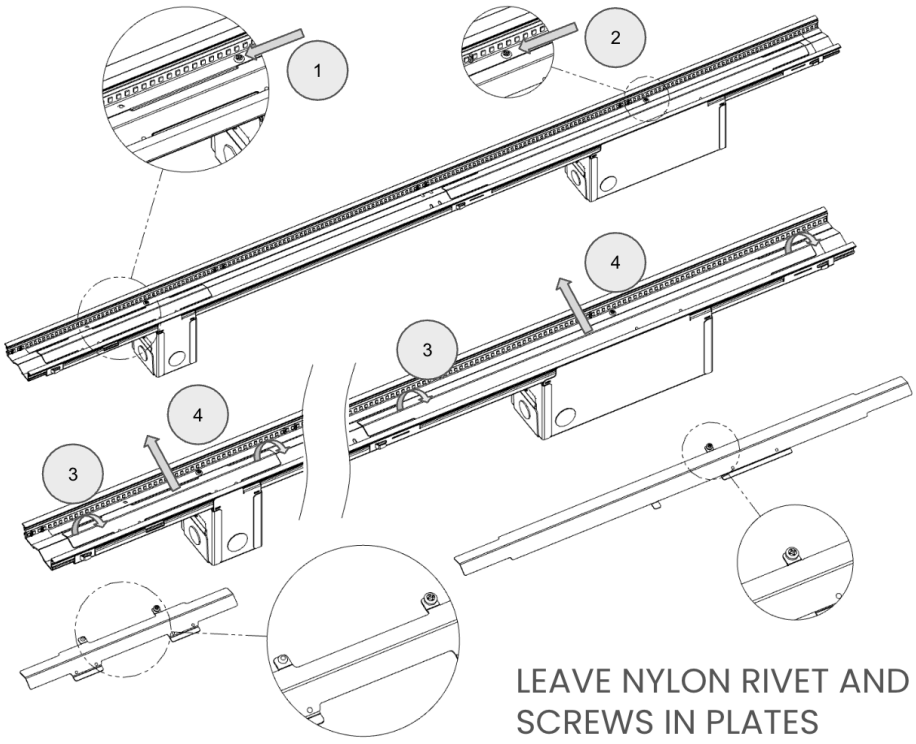
INSTALLATION STEPS - CONTINUOUS RUN

9. Starter Fixture for Continuous Run Installation

Repeat steps 1 + 2 from discrete installation instructions (pg 7). After completing step 2 jump back to step 10 to prepare continuous run fixtures for installation.
For runs with variable fixtures (3V) in the run: Jump to step 23 found on page 21 for further instructions.

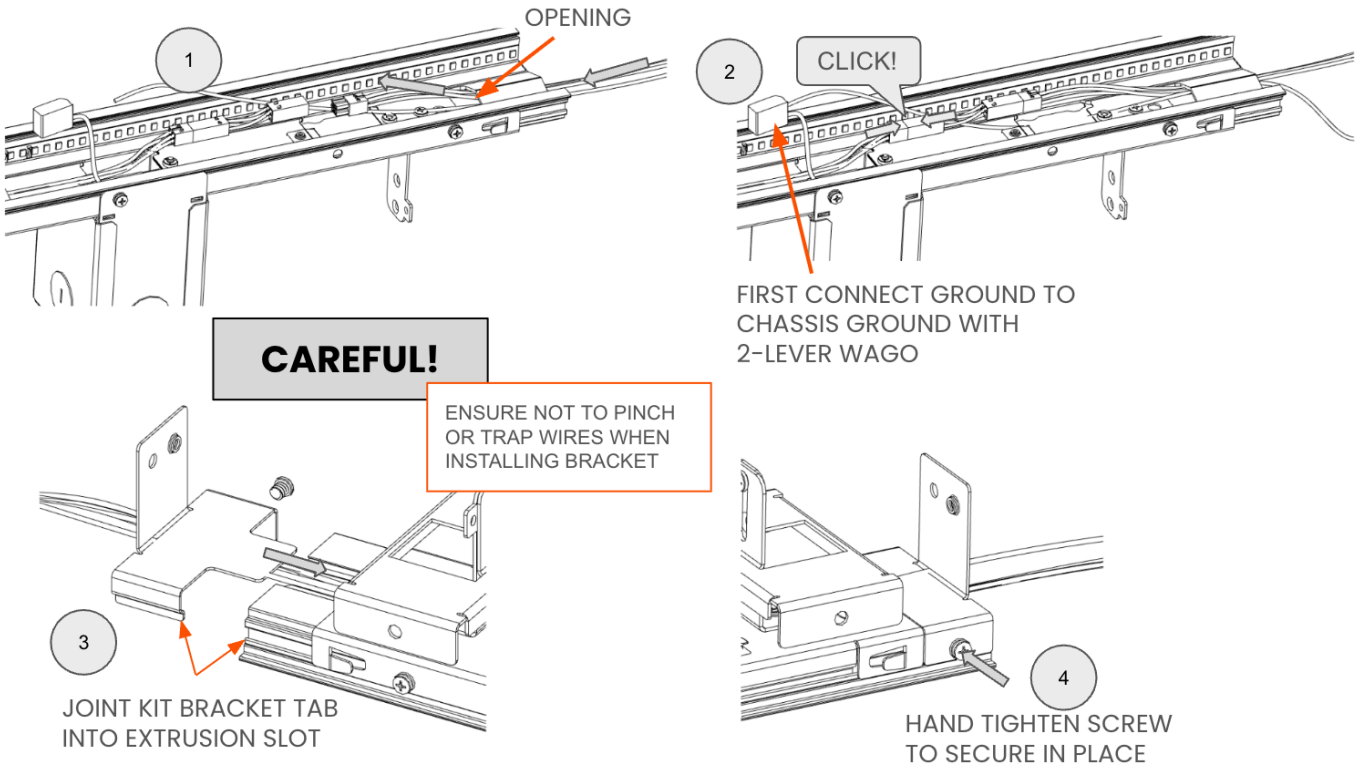
10. Driver Box access plate + Jumper Box access plate removal

Turn the fixture over so the optical cavity faces up. Use No. 2 philips screwdriver to remove the retention screw. Note: the retention screw is captive and will stay with the cover plate - there is no need to fully remove it. Do not remove the nylon rivet on the jumper access plate. Once access plates are removed the electrical cavity will become accessible.
Note: Middle run fixture shown for reference, endcaps not installed.



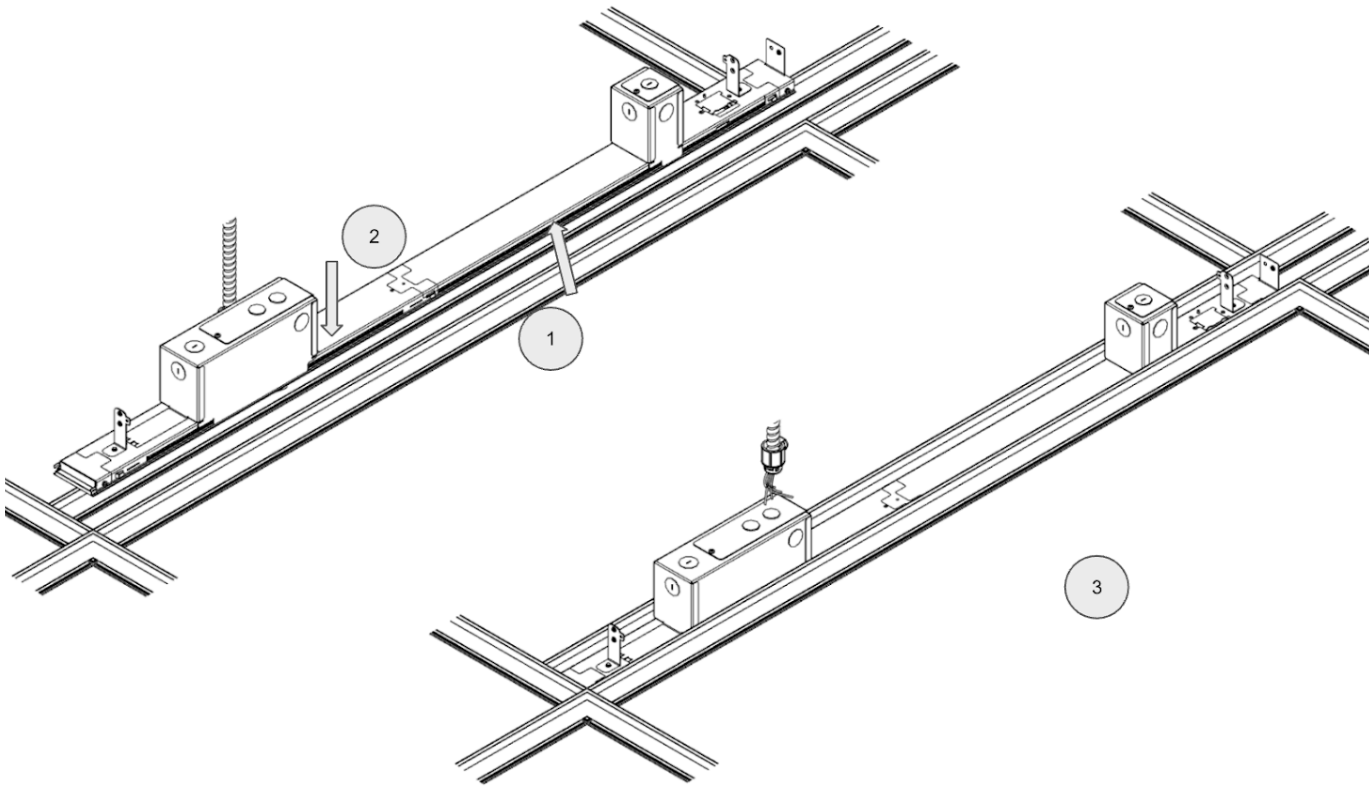
11. Prepare fixture for installation

Gather joint kit. **1.** Feed ground wire and joint kit harness through the opening. **2.** Connect ground wire with 2-lever WAGO to chassis ground wire. Connect joint kit harness to jumper box connector. **3.** Turn the fixture over so the optical cavity is laying on the ground. Carefully install joint kit bracket on joining end of starter fixture. **4.** Secure with provided screw to fixture.



12. Raise fixture into T-grid opening

Raise starter fixture to T-grid opening, pass through T-grid system on the adjacent side. Align fixture to 3" wide opening and lower fixture into the opening. Align brackets over T-grid and lower to rest in place. Once in place repeat step 4 on page 8 to install the T-grid mounting brackets.

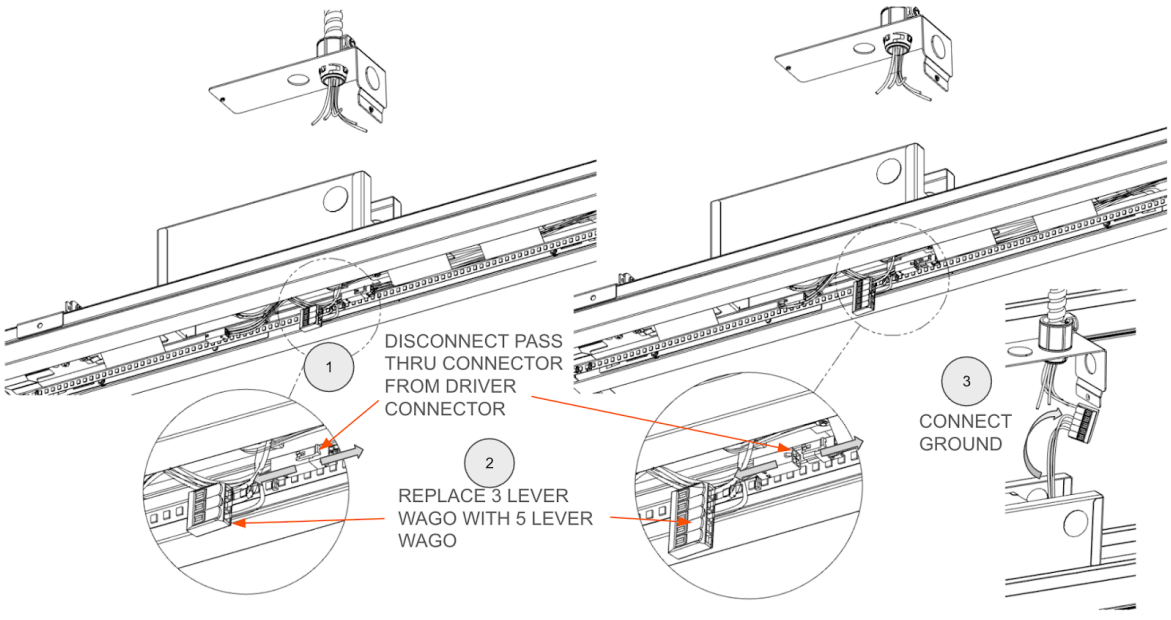


13. Prepare Power Connection

Loosen captive screw from driver box to remove wire access cover (WAC) from driver box. Remove EKO and install WAC onto an armored cable,
quick connect shown for reference.

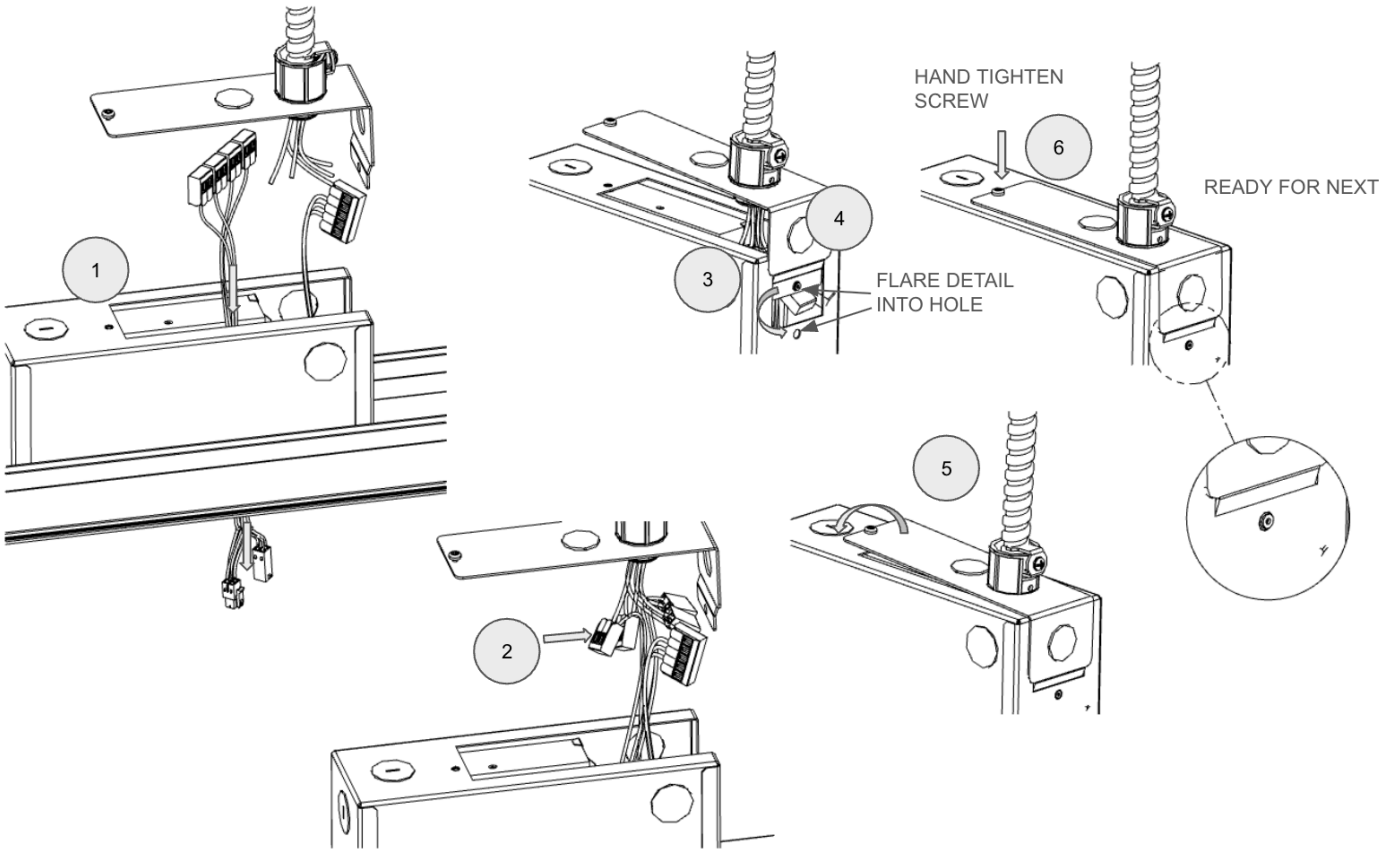
14. Gather the power drop kit and make ground connection - Driver Box

Disconnect the pass through connector from the driver connector harness and replace 3-Lever WAGO connecting the ground wires with provided 5-lever WAGO. Pass ground wire WAGO up to supply ground to connect to supply ground first.



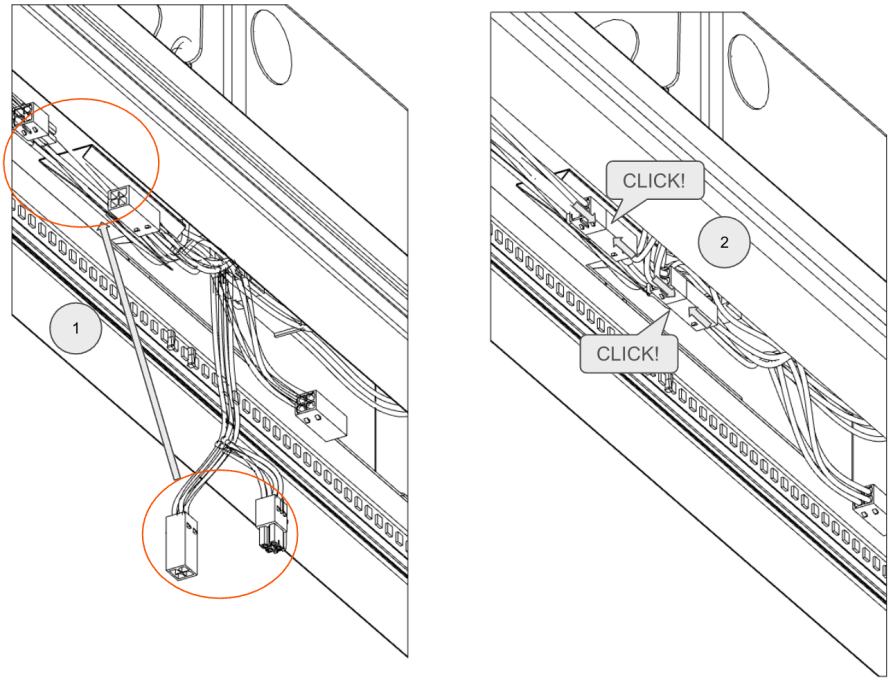
15. Connect power drop harness - Driver Box

1. Pass the power drop harness through the driver box. **2.** Connect the 2-Lever WAGOs to complete electrical connections to supply. **3-5.** Safely feed the connected wires into the driver box and reinstall the WAC. **6.** Secure it with the provided retention screw.



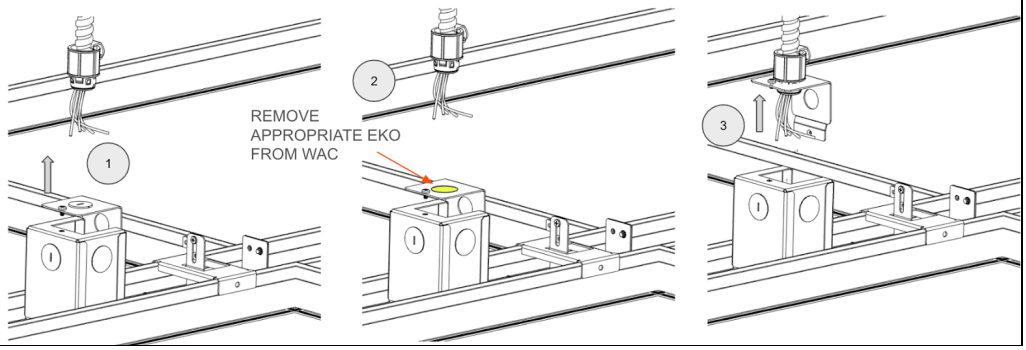
16. Connect power drop to fixture connectors - Driver Box

Connect power drop harness connectors between pass thru harness connector and driver connect harness to complete the electrical connection.



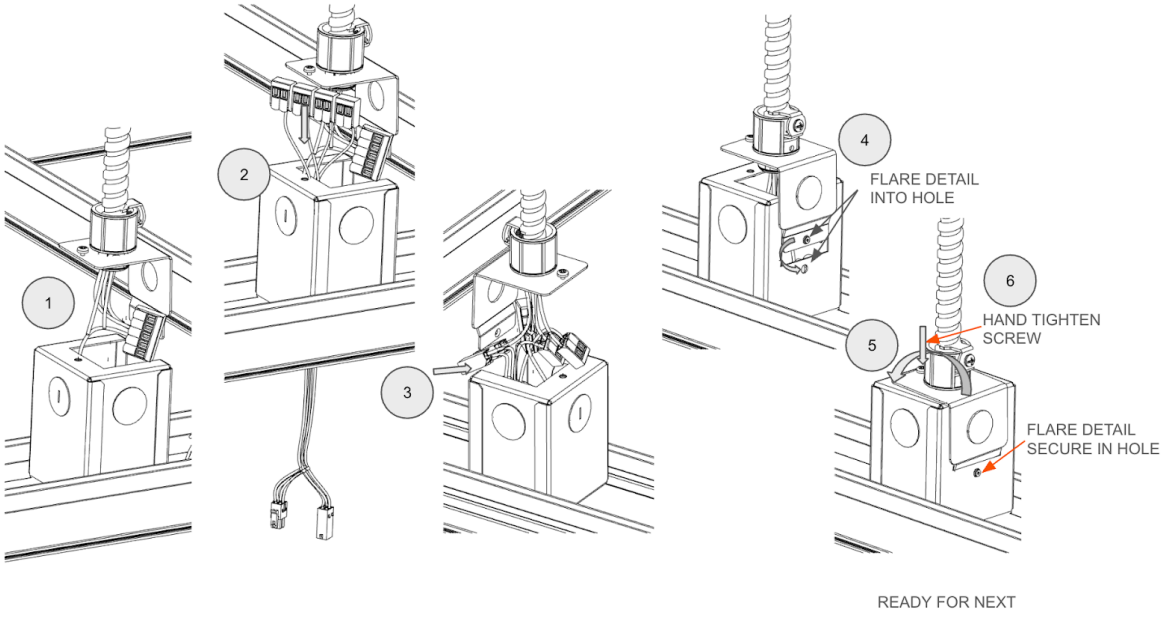
17. Prepare Power Connection - Jumper Box

Loosen the captive screw from the jumper box to remove WAC from the jumper box. Remove EKO and install WAC onto an armored cable, quick connect shown for reference.



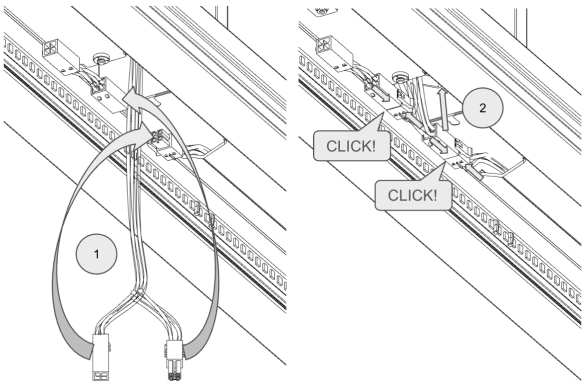
18. Gather the power drop kit and make electrical connection - Jumper Box

First, connect ground wire to supply ground and connect with provided 5-Lever WAGO from the power kit. Feed power drop harness through jumper box and secure the supply leads to the 2-Lever WAGOs to the power drop connections. Re-install jumper WAC onto the jumper box.



19. Make power connections + Prepare next mount location

Connect the power drop connectors between the pass thru connector and jumper box connector harness.



20. Prepare next fixture in run for connection

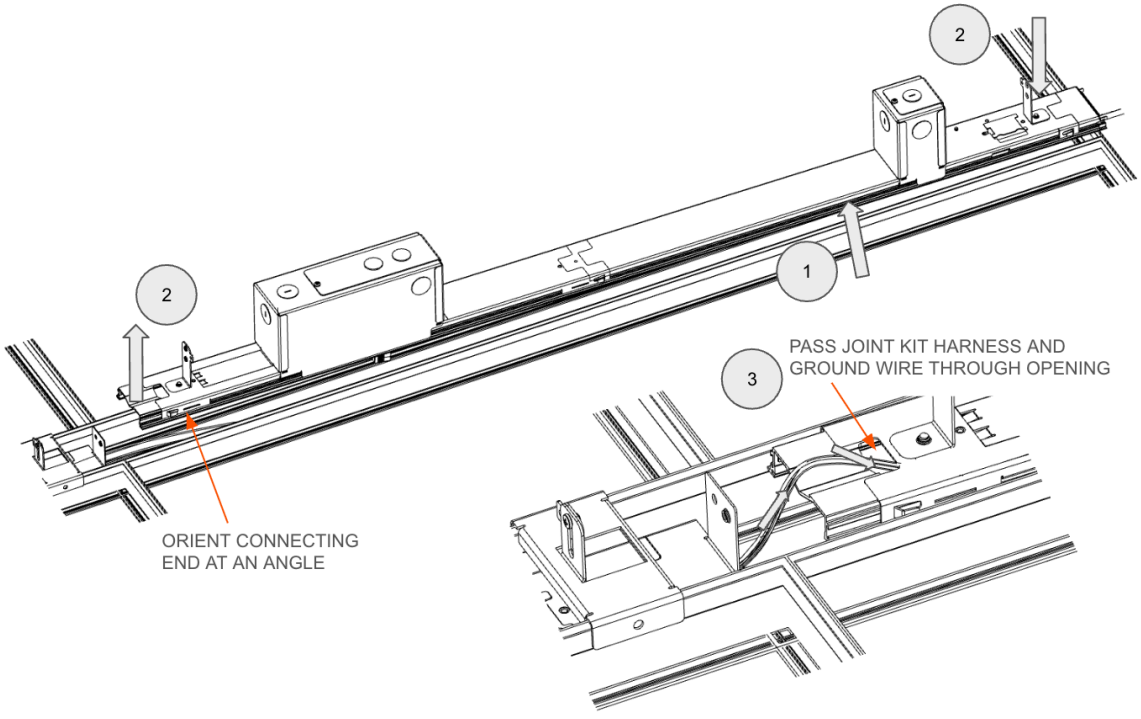
For the next non-variable fixture, repeat each step in step 11 (pg 13) to join an additional fixture in a longer run.

For an end of run fixture, refer to end cap installation steps found in step 2 of discrete installation steps (pg 7) to install the endcap on the end fixture..

For variable fixtures, jump to step 23 on page 21 for further instructions.

21. Raise connecting fixture into opening

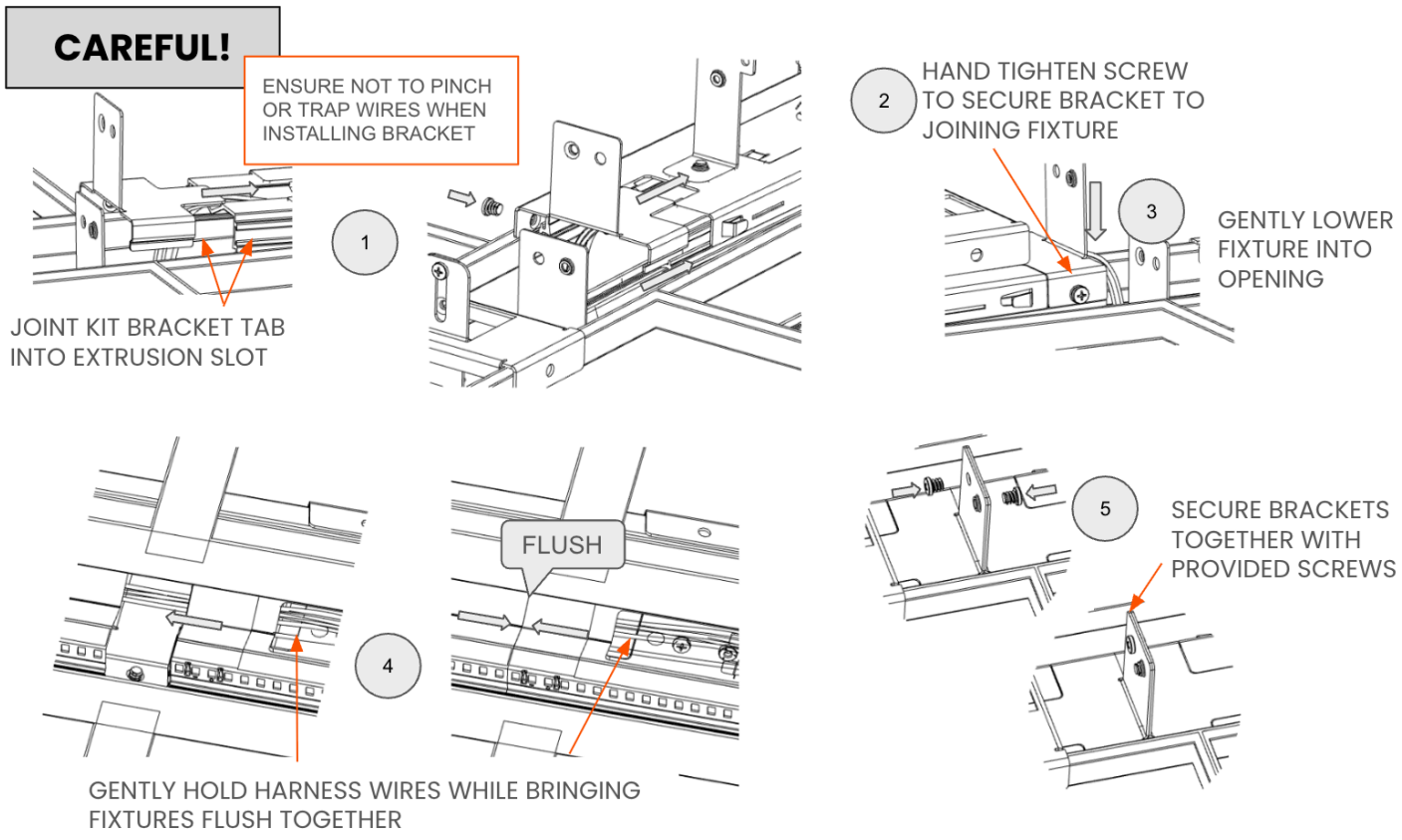
Raise connecting fixture into opening, orient the fixture at an angle within the slot. Pass the joint kit harness and ground wire through the connecting fixtures opening.



Note: End of run shown for reference to complete run.

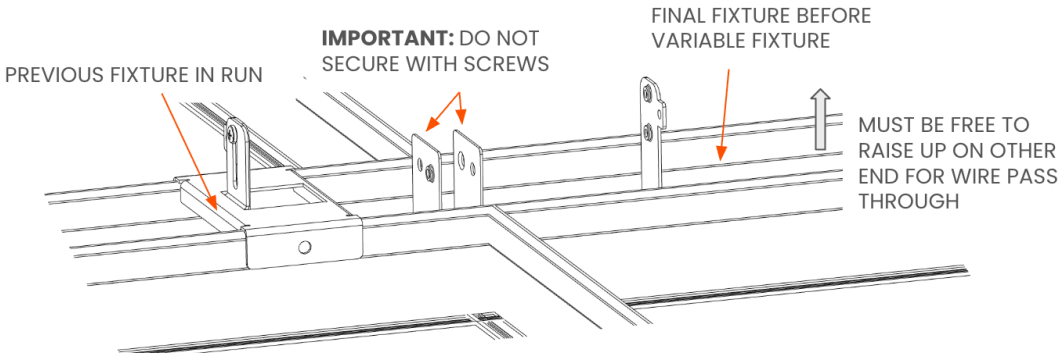
22. Complete joining steps

1. Carefully install the joint kit bracket onto the connecting fixture. **2.** Secure with the screw. **3.** Gently lower the fixture into the opening, pull wires through while lowering. **4.** Hold wires and bring fixtures together until flush. **5.** Secure the brackets together with the provided screws. Once in place repeat step 4 on page 8 to install the T-grid mounting brackets.



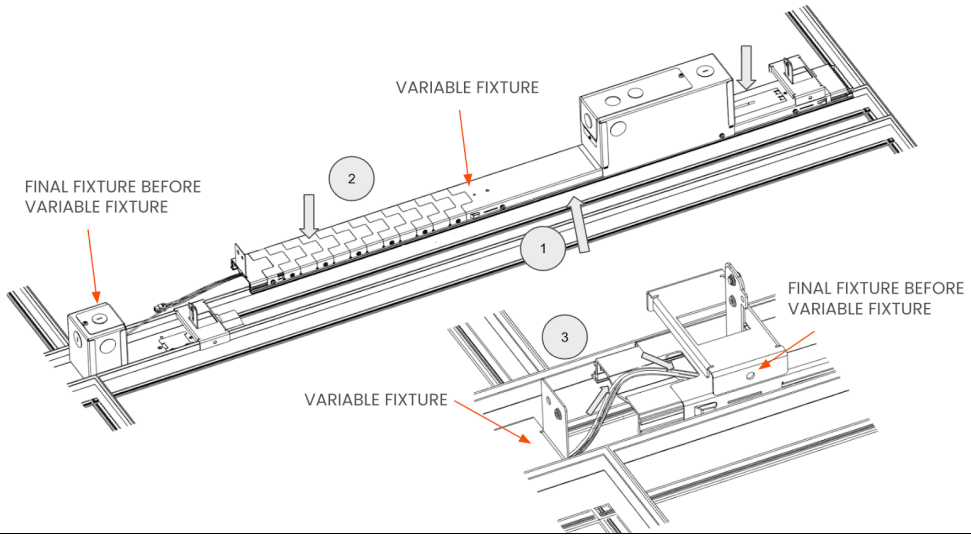
23. Variable fixture joining

Important: The final fixture before the variable fixture **must not** be secured to the previous fixture in the run at the bracket step. It is to be free to allow the final fixture to be raised up at an angle to complete the wire harness and ground wire pass through steps between the final fixture and the variable fixture. **Do not install a joint kit bracket on the end of the final fixture that is to be raised, do not install joint kit and ground wire from joint kit in the final fixture before variable.**

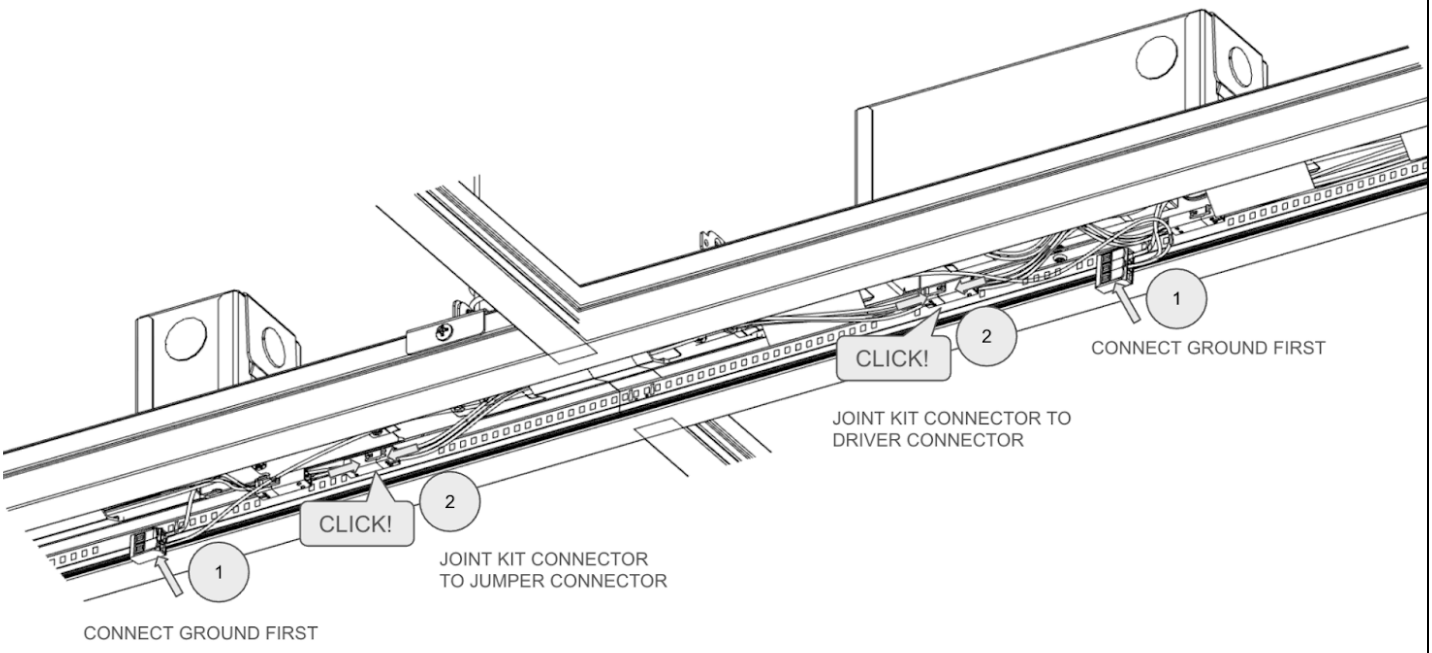


Variable fixture: Treat the variable fixture as a starter fixture as the ground wire and connector harness will be installed on variable fixtures at the joining end from the factory. Repeat step 11 on page 13 and start from step 3 to 6 within step 11 for the variable fixture. Raise the variable fixture into the opening and seat in place.

Go back to the previous step 23 on page 21 to complete all installation steps for the final steps of the remaining fixtures in the run.

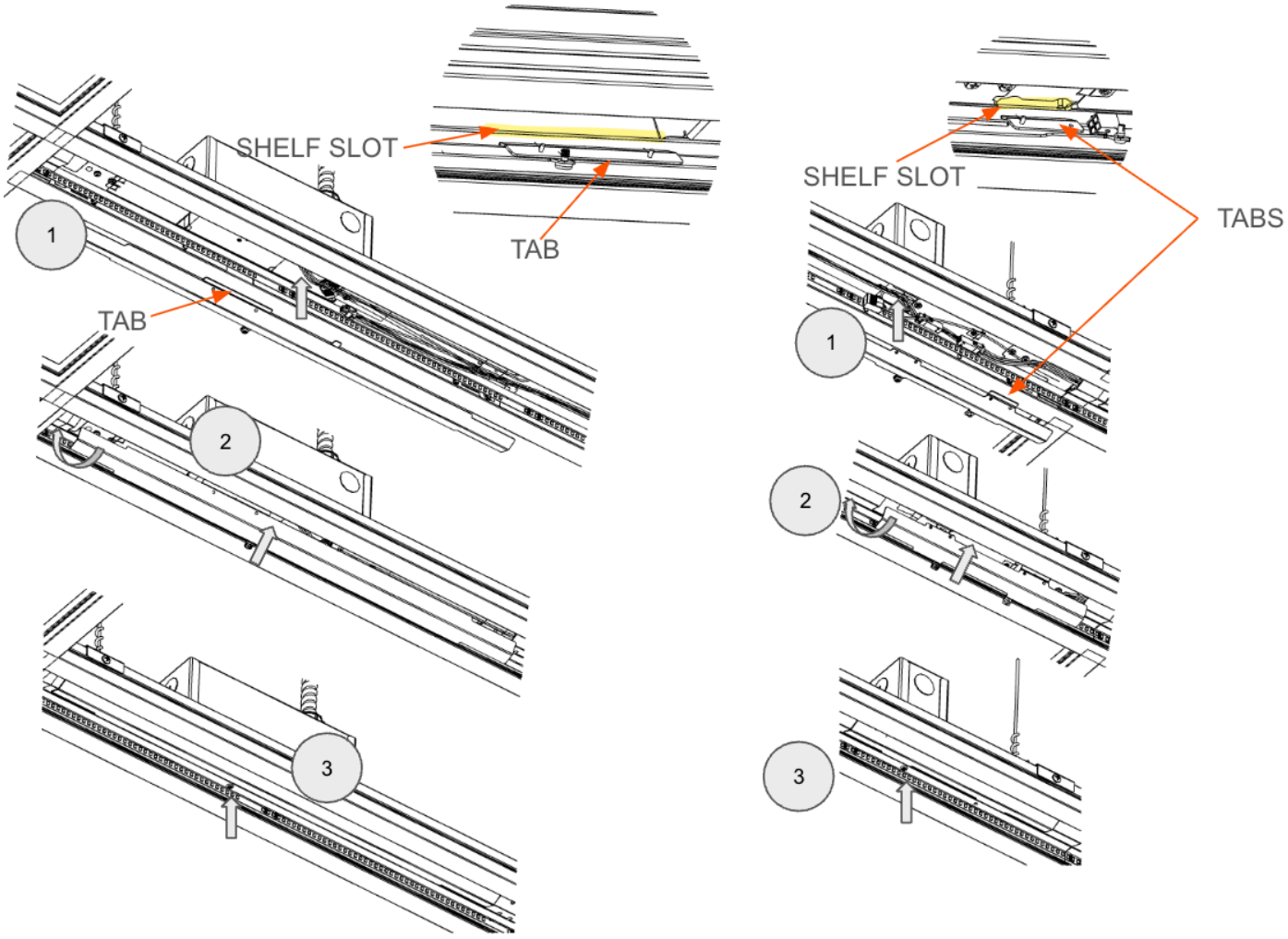


24. Center run in opening and secure in place
Ensure all fixtures are aligned and have a tight fit at the joints. Refer to step 5 in Discrete Installation steps (pg. 9) to secure the fixtures to the T-grid with sheet metal screws (by others) and secure to structure with hanger wire (by others) at each joint bracket.
25. Complete all electrical connections
First connect the joining kit ground wire to 3-lever WAGO on the joining fixture. Next connect the joining fixture to the driver connector or jumper connector. Driver to jumper connection shown for reference.



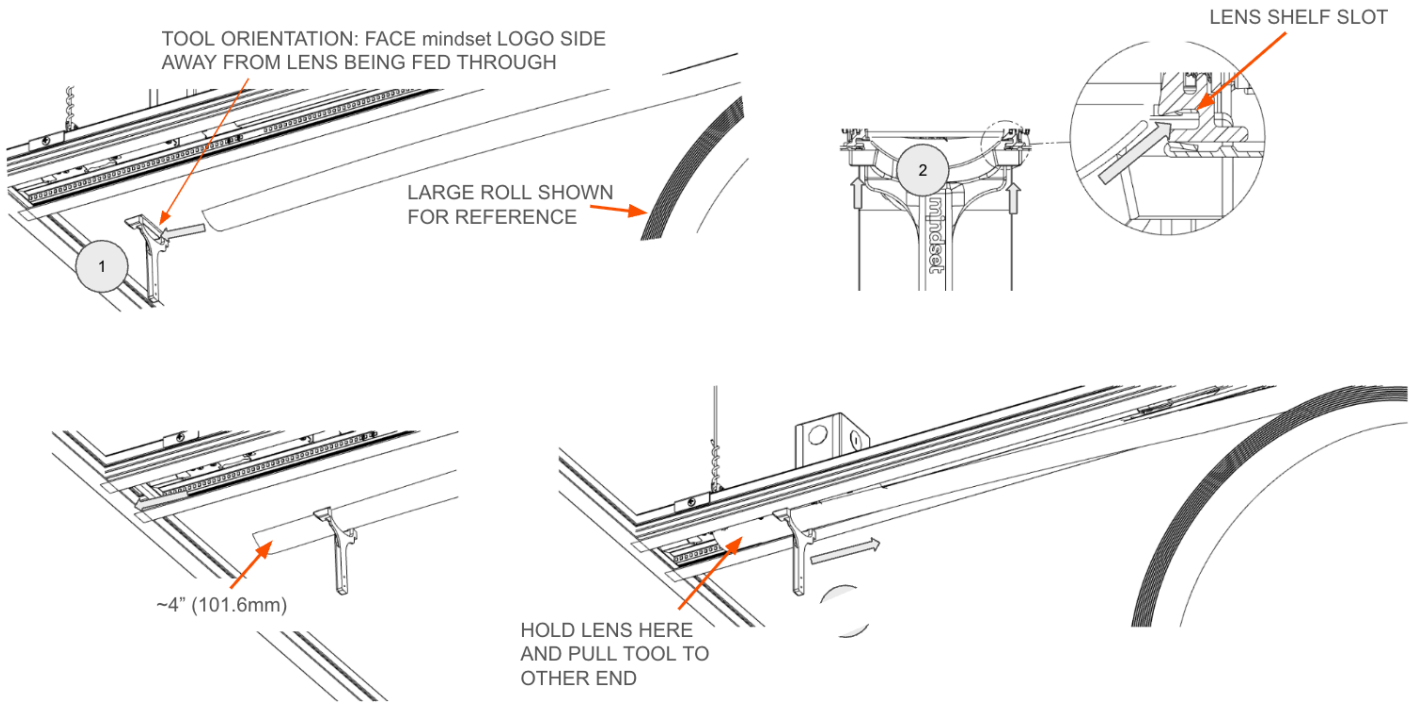
26. Reinstall access cover plates

1. Safely tuck wires into the driver and jumper box cavities. **2.** Reinstall cover plates, slot the none screw side with the tab(s) into the shelf slot and rotate up to flush. **3.** Ensure all wires are safely tucked in before securing in place with the provided screw.



27. Install continuous lens

Gather lens roll and lens installation tool. **1.** Insert non-dominant arm through lens roll and rest roll on shoulder. **2.** Next take one end of the start of the lens roll. **Note:** the orientation of the tool is important see image. Bend with your hand and feed through the install tool. Allow for ~4 inches of the folded lens to pass through the tool to provide enough length for the lens to feed into the shelf. Raise to fixture aperture and insert lens into lens shelf slots. **3.** Hold the lens and push the lens tool into aperture and slide the tool along the trim or T-grid face. The lens will feed into the shelf pocket. Slide to the opposite end, stop ~1ft before you reach the end.



28. Complete lens install

At ~1ft from the end of the run, be sure to leave the lens tool installed. **1.** Slide the lens towards the starter end until it stops. **2.** Push lens flush to the endcap shelf edge. The edge can be seen through the lens. **3.** Sketch a line on the lens. **4.** Next pull the lens past the tool out ~ 8 to 10 inches past the end. Obtain a piece of scrap corrugated fiberboard and place the board behind the lens and press the lens against the corrugated fiberboard. **5.** Use the utility knife to score along the line to create a snap line. **6.** Remove the board and fold the lens over itself to snap the lens along the scored line. **7.** Push lens back to starter end until it stops. Finish installing the lens with the tool until the end and slide tool out. **8.** Center lens in aperture and replace ceiling tiles, finished.