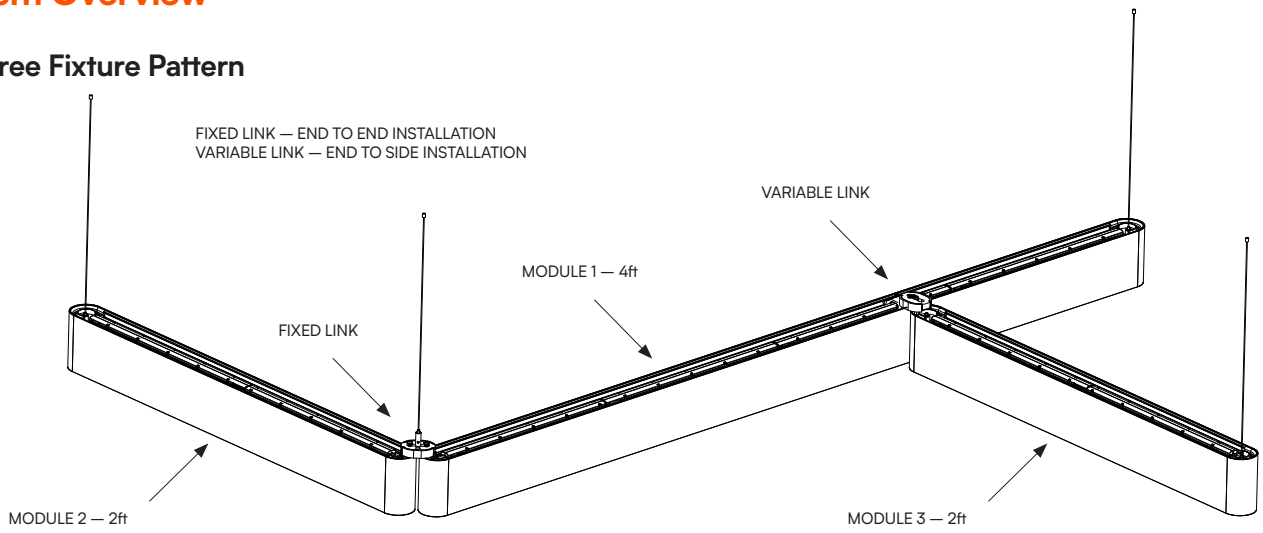
Fixed + Variable Link System

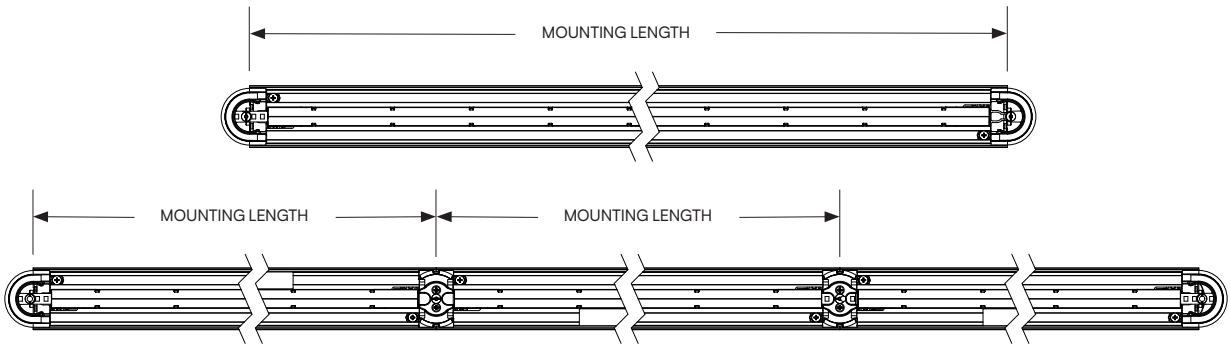
System Overview

Three Fixture Pattern



Common Mounting Lengths Discrete + Continuous Run

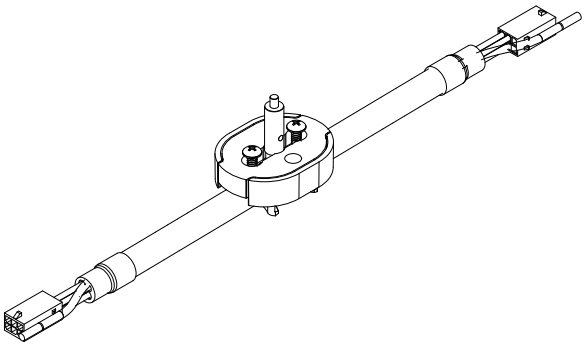
Length Nominal	2 ft	3 ft	4 ft	5 ft	6 ft	7 ft	8 ft
Length (in)	24	36	48	60	72	84	96
Length (mm)	609.6	914.4	1219.2	1524.0	1828.8	2133.6	2438.4



Fixed + Variable Link System

Joint Kit Fixed Link — End to End

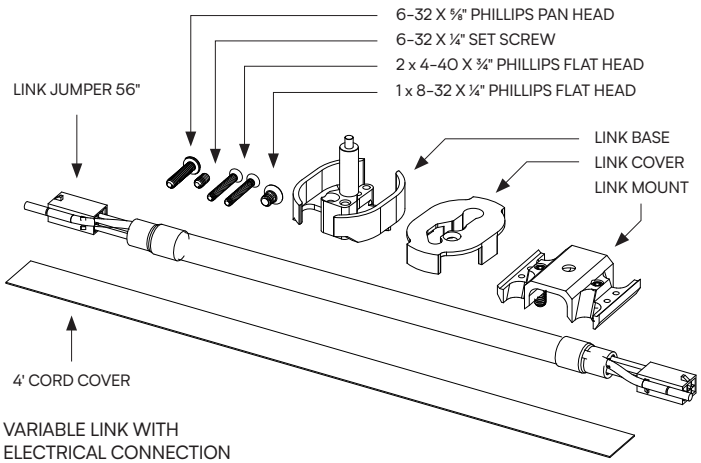
- Link kit comes assembled and ready to install.
- Hardware included and not fully fastened.



FIXED LINK WITH
ELECTRICAL CONNECTION

Joint Kit Variable Link — End to Side Power

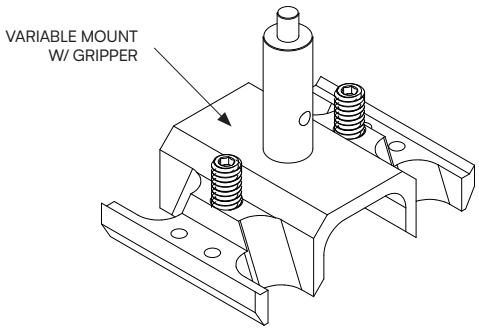
- 1 x Link Base
- 1 x Link Cover
- 1 x Variable Mount
- 1 x 6-32 x ⅝" Phillips pan head
- 1 x 6-32 x ¼" Set Screw socket head
- 2 x 4-40 x ¾" Phillips flat head screws
- 1 x Link Jumper 56" Long
- 1 x 8-32 x ¼" flat head Phillips screw



VARIABLE LINK WITH
ELECTRICAL CONNECTION

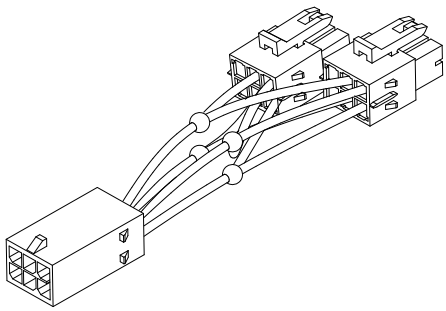
Joint Kit Variable Mount — Non-power

- 1 x Variable Mount w/ gripper



Y — Expander Kit

- Wiring Harness



 HYL Link Install 2025/05-1

Fixed + Variable Link System

Information

Important

- Read all instructions including wiring and mechanical details before the start of the installation.
- Fixture through wiring is 18 AWG. Calculate maximum row length per fixture watts per foot and local and national building codes.
- Install in accordance with the local and national building and electrical codes.
- Contact factory if you require assistance or have questions.

Ceiling Preparation

Hyperlink is designed to fit in ACT Grid Ceilings and Hard Lid/ Structure Ceilings. Refer to the appropriate ceiling type mounting installation instructions listed below. Install appropriate mounting hardware in the correct locations as per layout drawings.

- G1 — Grid (ACT Ceiling Type)
- R1 — Recessed J-Box Flat Ceiling
- R2 — Recessed J-Box Sloped Ceiling
- E1 — Exposed J-Box Flat Ceiling
- E2 — Exposed J-Box Sloped Ceiling

Note

Hyperlink fixtures are designed for installation post ceiling preparation completion.

Tools Required

Tools:

- #2 Phillips Screw Driver(s)
- Level
- 3/64" Allen Wrench
- 5/64" Allen Wrench
- Pliers
- Scissors or utility knife

Safety Warnings

- **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.

Installation Steps — Fixed Link

1 Install Mounting

Install mounting hardware: Identify and install power and non power mounting hardware at assigned locations as per the layout drawings. *(Refer to ceiling type installation documents)*

2 Place Boxes

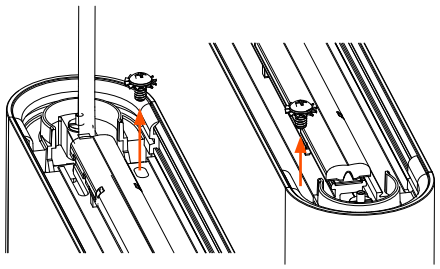
Place boxes on ground below location based on layout drawings. Remove fixture from package. Do not remove protective plastic and any care labels during installation.

Important: *Start with the power drop location first and branch out for connecting additional fixtures to links.*

Important: *Do not join fixtures on the ground and raise them into place. This will damage the fixtures due to the significant forces on the joints.*

3 Remove Phillips Screws

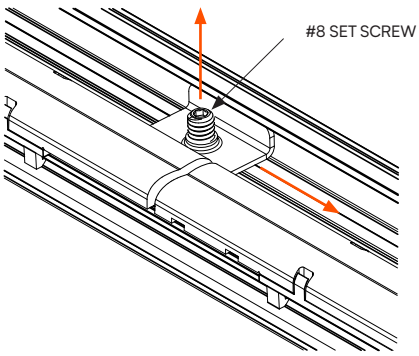
Remove the two Phillips screws on top extrusion to allow for the top extrusion to be opened to access electrical connections.



Fixed + Variable Link System

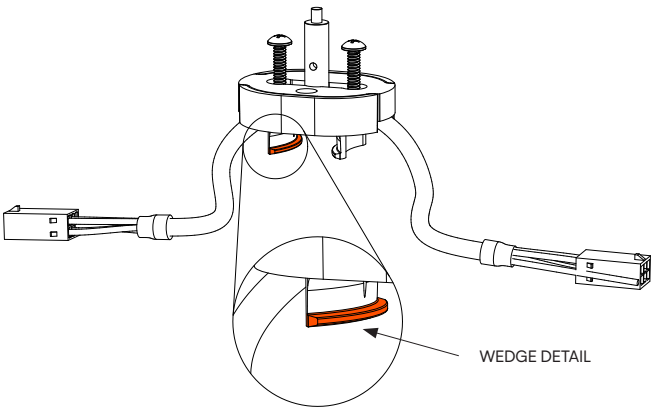
4 If Fixture is Greater than 4 ft

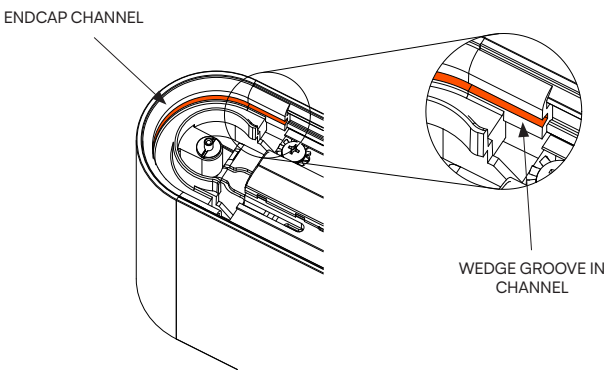
If the fixture is a 5ft, 6ft, 7ft, or 8ft unit, use a 5/64 allen wrench to loosen the set screw on hold down bracket. Slide the hold down bracket to the opposing end.



6 Install Fixed Link(s)

While fixtures are still on the ground, install the fixed link(s) into the endcap channel of the starter fixture. Slot the fixed link wedge detail into the wedge groove in the endcap channel.





5 Raise Fixture to Suspension Cable

Raise up top extrusion to gain access to the fold down tabs to fold the correct tab(s) down for the link jumper to be fed into the driver cavity.

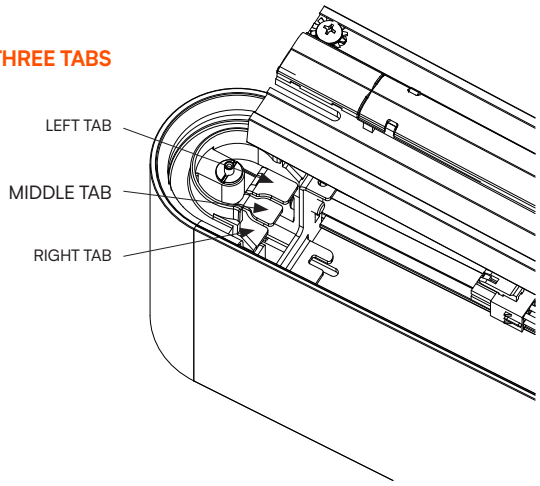
- **DEFAULT** — Fold down middle tab for fixed link to fixed link, use pliers to do so.

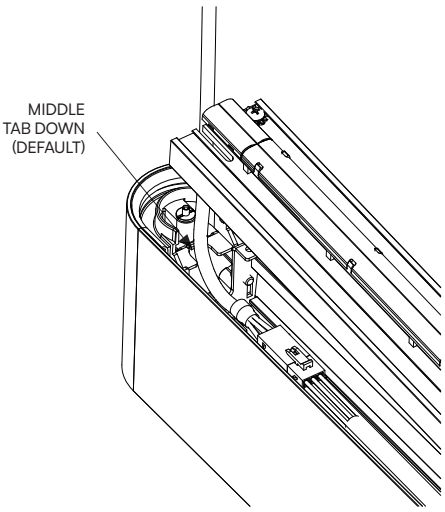
IMPORTANT NOTES:

- Be mindful not to pull the blue and red DC hook up wires from the upper optical LED tape.
- When the link is at power drop location, the middle tab will be folded down by default.
- **STOP, DO NOT** fold down a second tab until you are at the fixed link installation step.

NOTE: The layout drawing will show the pattern and if the starting fixture requires one link or multiple links.

THREE TABS

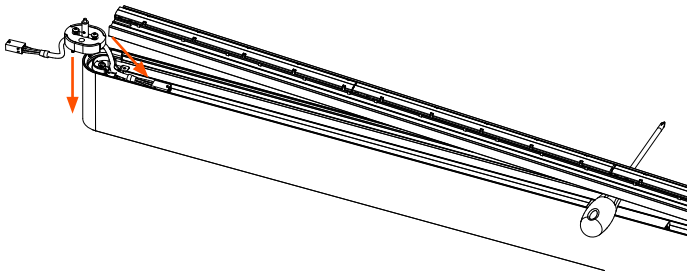




Fixed + Variable Link System

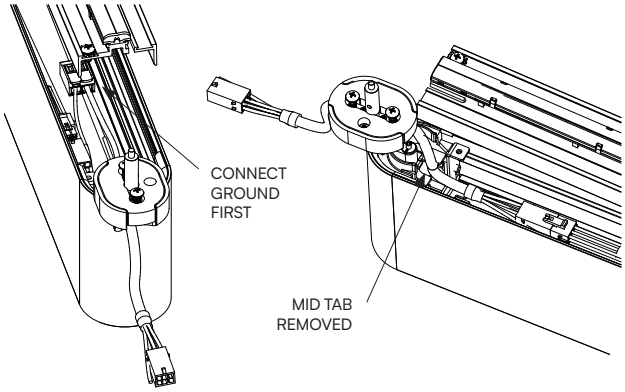
7 Lower Link into Channel

Lower link into the channel and feed the electrical connector from the link into the driver cavity.



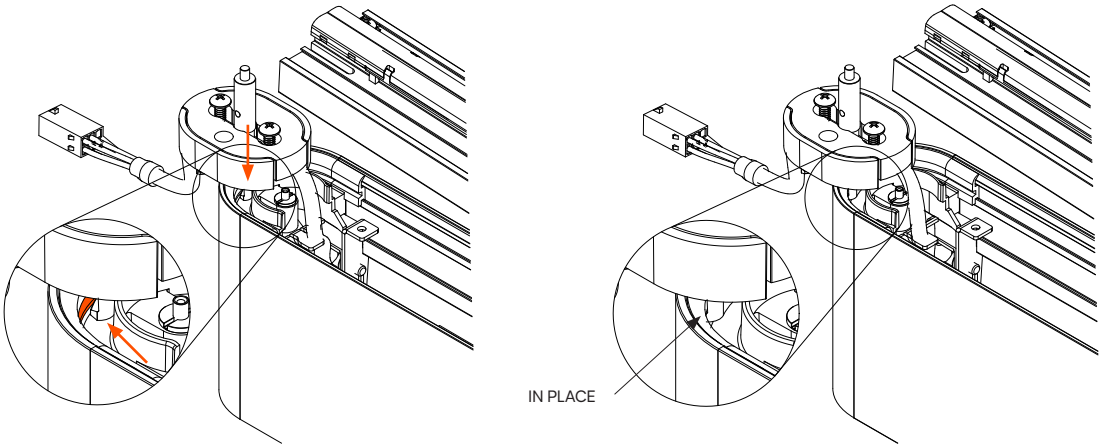
8 Link Electrical Connections

Connect ground wires with 2 lever WAGO and connect the harnesses together via the connectors. Outer tab shown folded down for reference. Once connected carefully lay the wiring back into the wiring cavity.



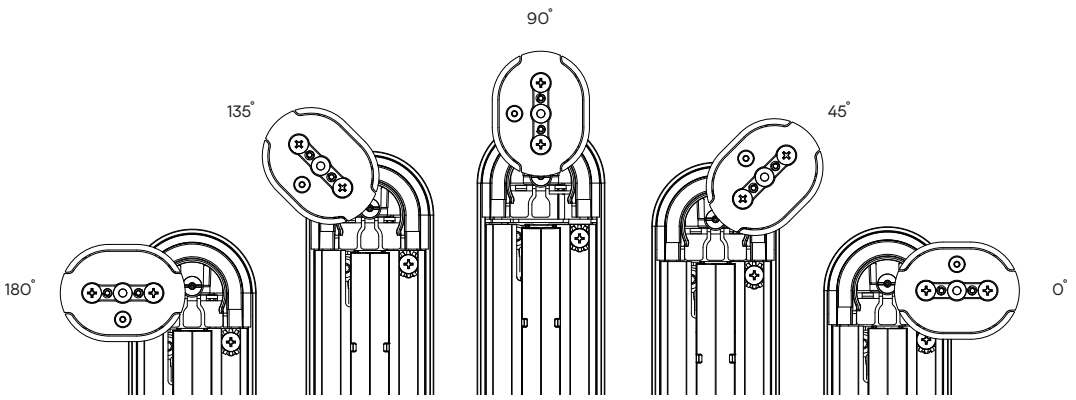
9 Seat Link Into Place

Seat the wedge into the wedge groove in the channel.



10 Set Link and Secure

Lower the top extrusion and set into place. Next the starting angle of the link can be set as per the layout drawing on the starter fixture power and non-power end(s).



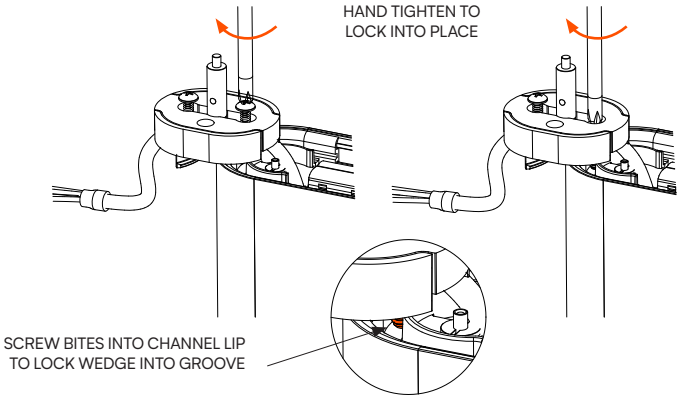
RANGE OF 0° TO 180° TRAVEL IN CHANNEL SHOWN FOR REFERENCE

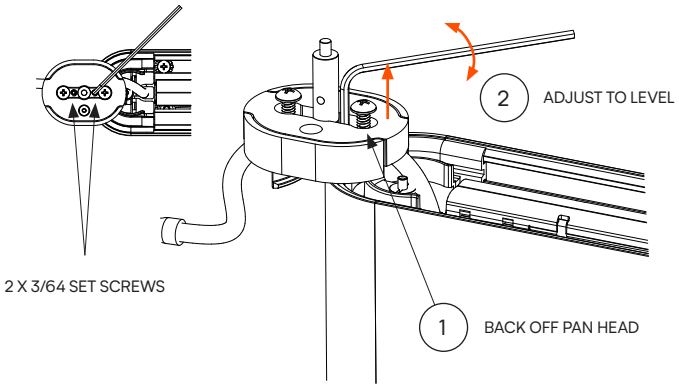
Fixed + Variable Link System

11 Link at Non-Power End

Once the starting angle is known, set it and secure the link in place by hand tightening the Phillips pan head screw in the endcap channel.

NOTE: This is a good opportunity to pre-level the link by adjusting the set screw to ease the leveling steps once the fixture is suspended. Once the main Phillips pan head screw is secure, if the link is not level, back off the Phillips screw and adjust set screw to level, re-tighten Phillips pan head screw.

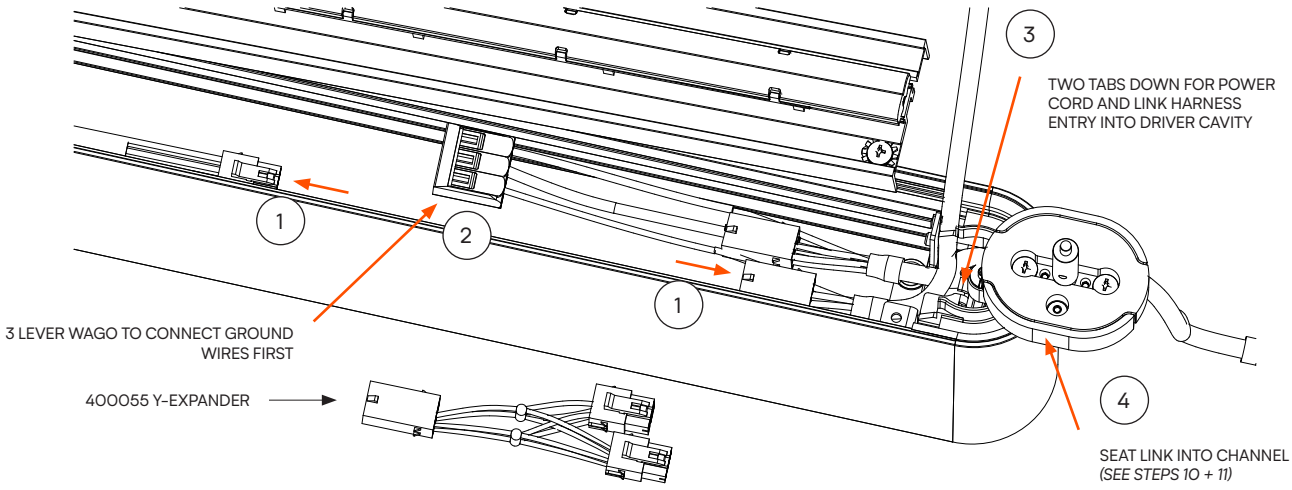




12 Link at Power End

Steps for link on starter fixture at power drop end.
The connection will require a Y-splitter harness adapter (400055) to connect link and power together.

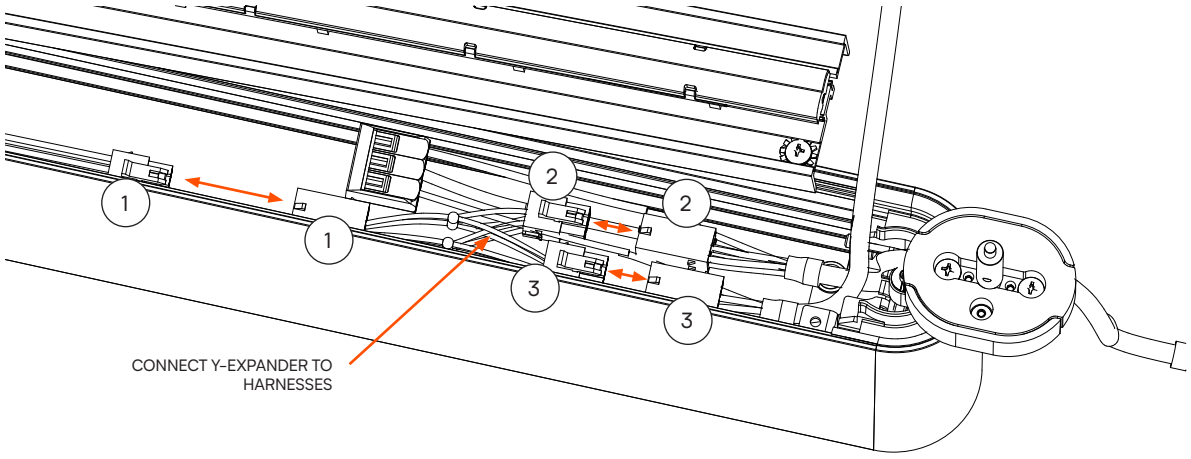
1. Disconnect power cord from harness.
2. Connect ground wires from link harness and power cord to the supplied 3 lever WAGO.
3. Fold down one of the outer tabs to allow link harness to be fed into cavity.
4. Seat link into channel *(see Steps 10 + 11 for instructions)*.

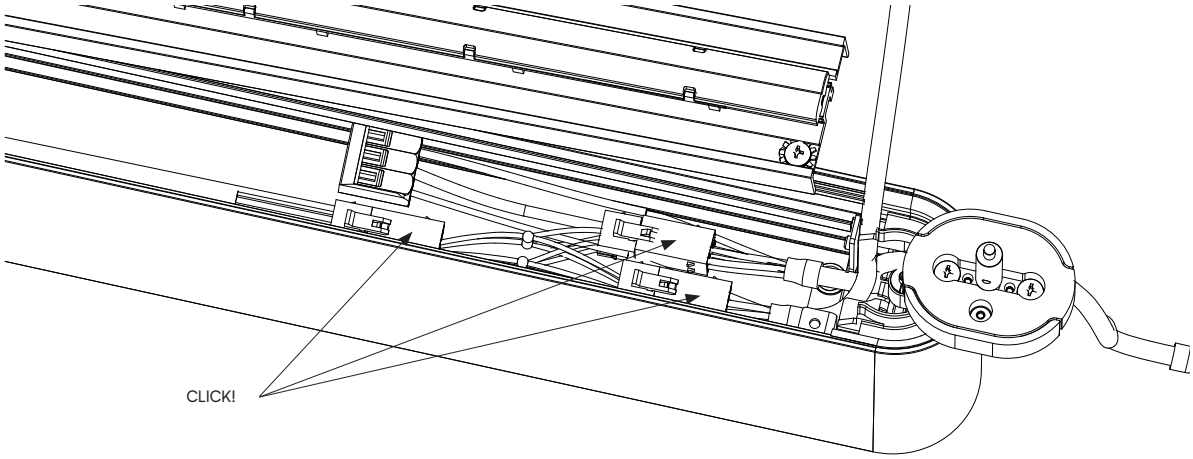


Fixed + Variable Link System

13 Install Y-Expander

1. Connect end to onboard connector.
2. Connect link connector to Y-Expander.
3. Connect power cord connector to Y-Expander.

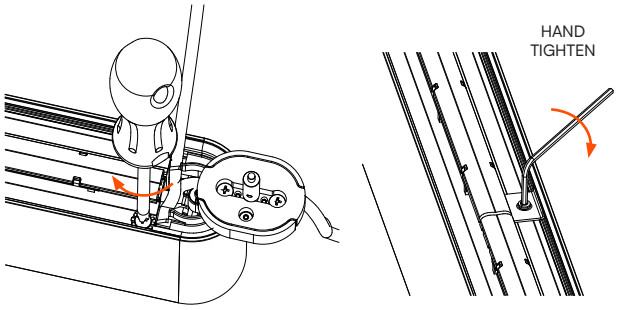




Fixed + Variable Link System

14 Secure Top Extrusion

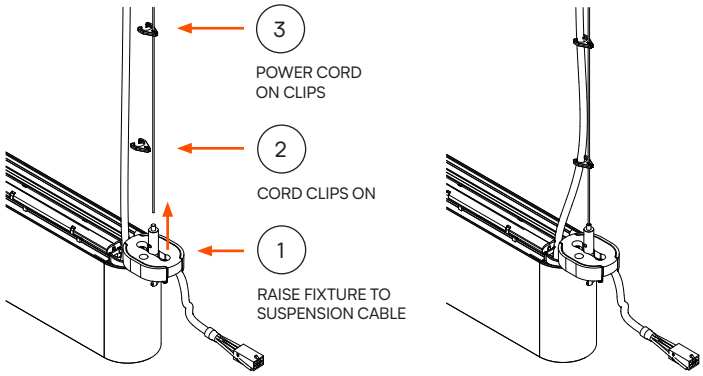
Lower top extrusion and seat into place. Hand tighten screws to secure the top. Ensure all wires are safely tucked into the cavity. If installing a 5ft, 6ft, 7ft, or 8ft unit. The hold down bracket must be slid back to the midpoint of the fixture and secure in place.



15 Suspend Starter Fixture

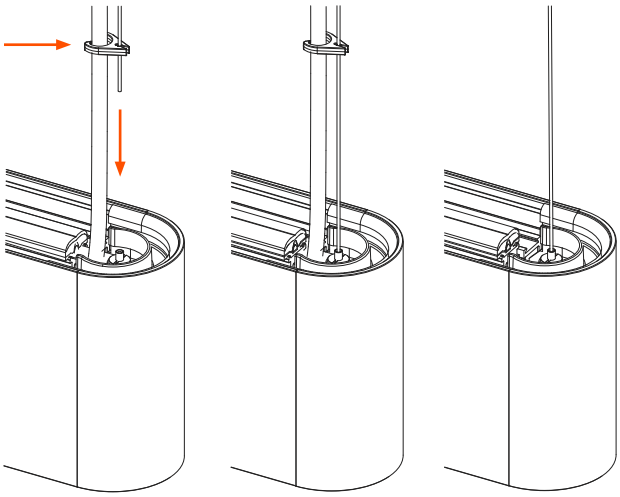
Raise starter fixture to suspension cable at power drop location as per layout drawings.

1. Insert the suspension cable into the gripper on the link assembly.
2. Install cord clips onto the suspension cable.
3. Secure the power cord to the suspension cable with the provided cord clip(s).



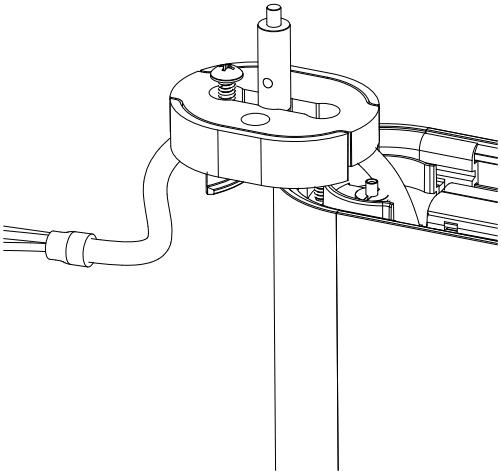
16 Non-Link Suspension

If non link end secure to integrated gripper in fixture.



17 Next Fixture in Pattern

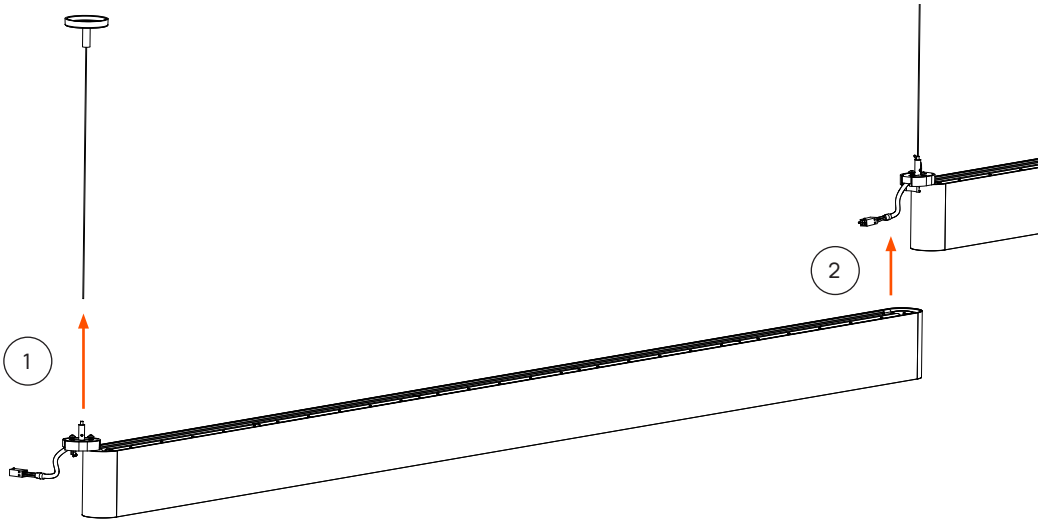
Repeat steps 4 to 11 to prepare the connecting fixture.



Fixed + Variable Link System

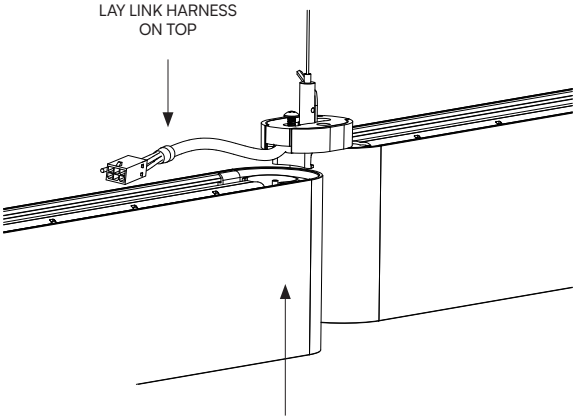
18 Connecting Fixture to Suspension Cable

1. Suspend the opposite end to the suspension cable in the pattern to allow both hands to be free to make link connections.
2. Proceed insert the link groove into the connecting fixture endcap channel.



19 Connect Link

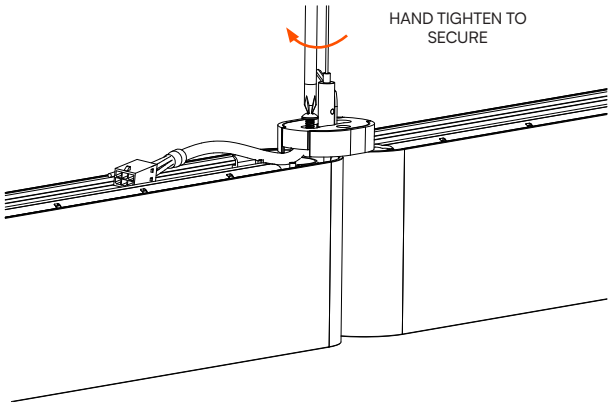
Insert link wedge into connecting fixture endcap channel wedge slot. Lay link harness on top of connecting fixture.



SEE STEP 10 FOR LINK WEDGE INTO WEDGE GROOVE FOR REFERENCE

20 Secure Link

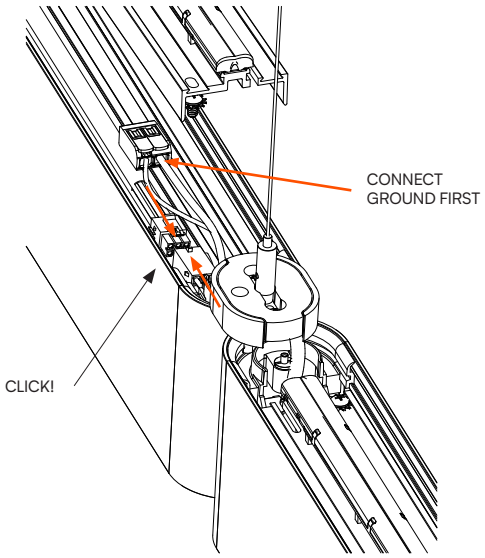
Mechanically secure the link after seated into channel wedge by hand tightening the Phillips pan head screw.



Fixed + Variable Link System

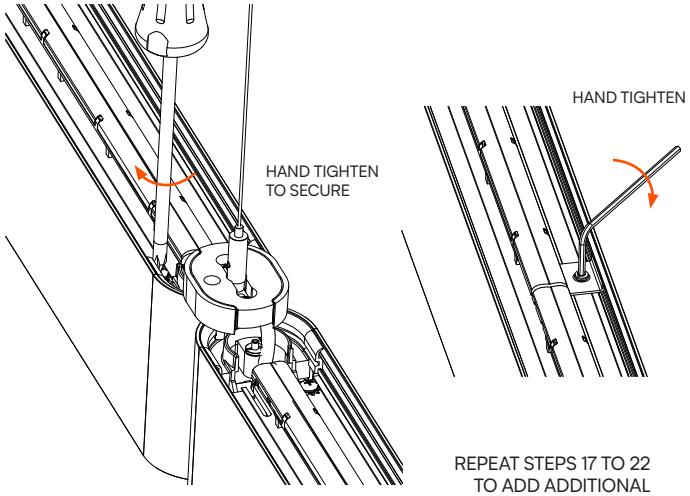
21 Make Electrical Connections

Raise the top extrusion of the connecting fixture and make electrical connections. Connect ground wire first next connect link to in run power cord.



22 Secure Tops

Lower top extrusion and seat into place. Hand tighten screws to secure the top. Ensure all wires are safely tucked into the cavity. For 5ft, 6ft, 7ft, or 8ft units. The hold down bracket must be slid back to the midpoint of the fixture and secured in place.



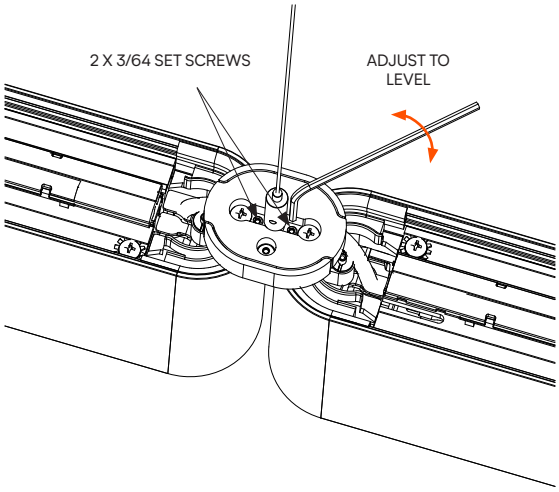
REPEAT STEPS 17 TO 22
TO ADD ADDITIONAL
FIXTURES INTO PATTERN

23 Adjust Set Screws To Level

The set screws in the link may need to be adjusted to level the fixtures. This can be achieved by backing off the pan head screw enough to allow for adjustment.

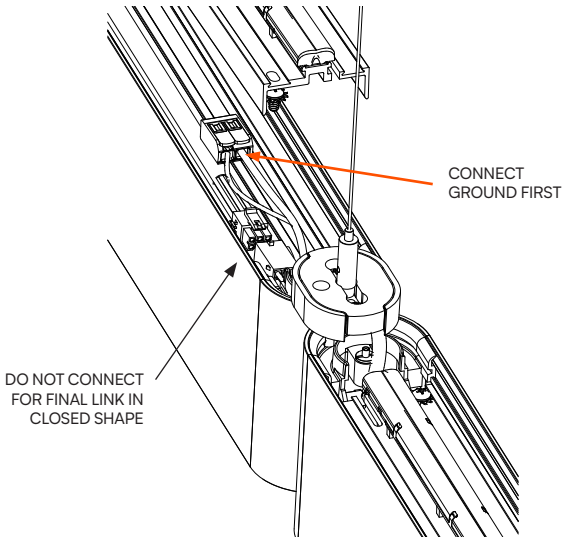
IMPORTANT! Do not remove the Phillips pan head screw!

Adjust the set screw(s) to level fixture(s). Retighten the Phillips screw.



24 Closed Pattern Final Fixture

IMPORTANT! Once the final link in a closed pattern is reached, feed the connector end of the link harness inside the fixture cavity. Connect the ground wire. Do not connect the link harness to the connector inside.



Fixed + Variable Link System

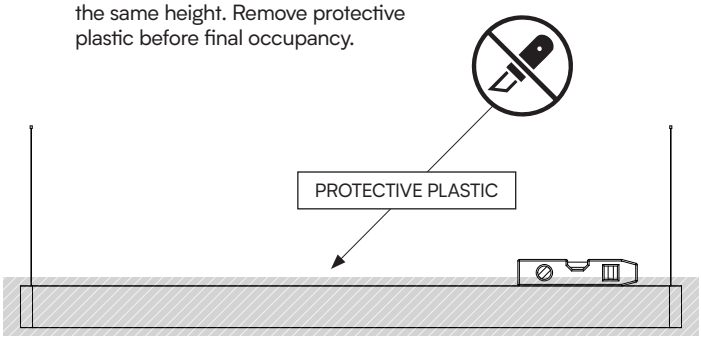
25 Electrical Connections

Refer to ceiling mounting type installation documents.

- G1 — Grid (ACT Ceiling Type)
- R1 — Recessed J-Box Flat Ceiling
- R2 — Recessed J-Box Sloped Ceiling
- E1 — Exposed J-Box Flat Ceiling
- E2 — Exposed J-Box Sloped Ceiling

26 Remove Protective Plastic

Ensure all fixtures are level and at the same height. Remove protective plastic before final occupancy.



Installation Steps — Variable Link

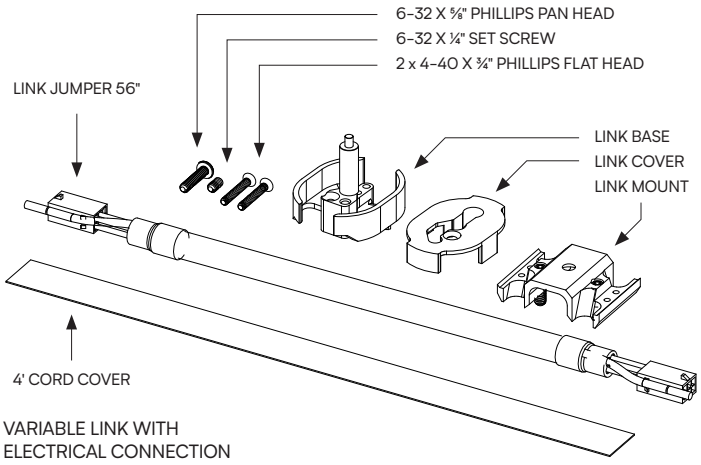
1 Install Mounting

Install mounting hardware: Identify and install power and non power mounting hardware at assigned locations as per the layout drawings. *(Refer to ceiling type installation documents)*

2 Place Boxes

Place boxes on ground below location based on layout drawings. Remove fixture from package. Do not remove protective plastic and any care labels during installation.

3 Gather Variable Joint Kit



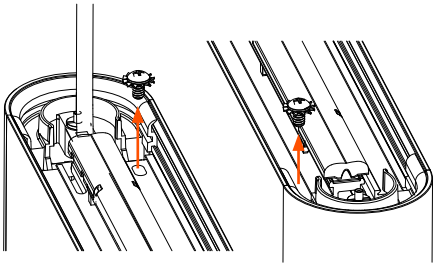
VARIABLE LINK WITH
ELECTRICAL CONNECTION

Important: *Start with the power drop location first and branch out for connecting additional fixtures to links.*

Important: *Do not join fixtures on the ground and raise them into place. This will damage the fixtures due to the significant forces on the joints.*

4 Remove Phillips Screws

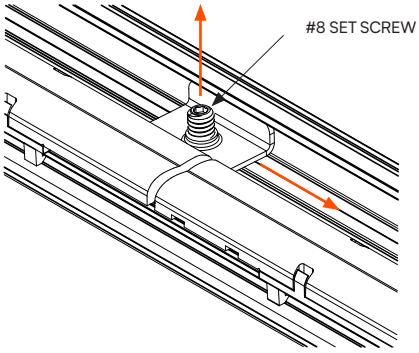
Remove the two Phillips screws on top extrusion to allow for the top extrusion to be opened to access electrical connections.



Fixed + Variable Link System

5 Fixtures Greater than 4 ft

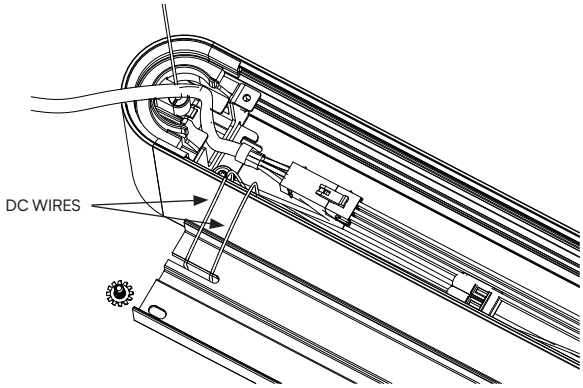
If the fixture is a 5ft, 6ft, 7ft, or 8ft unit, use a 5/64 allen wrench to loosen the set screw on hold down bracket. Slide the hold down bracket to the opposing end.



6 Carefully Remove Top Cover

Remove the top cover and place it on the surface closely beside the fixture. Power cord end shown.

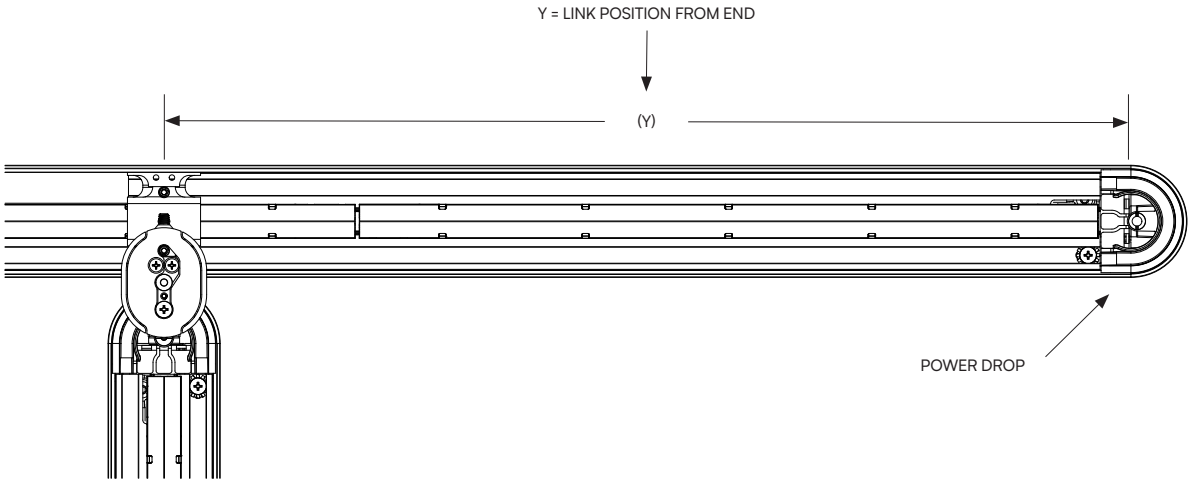
IMPORTANT! Be mindful not to pull the blue and red DC hook up wires from the LED tape on the optical assembly.



7 Predetermine Link Position

Predetermine position of link mount along the length of the fixture as per the layout drawings. Example of top view 90 degree positioned link of variable link system to connect power.

NOTE: Layout drawing of pattern will dictate final installation position.



Fixed + Variable Link System

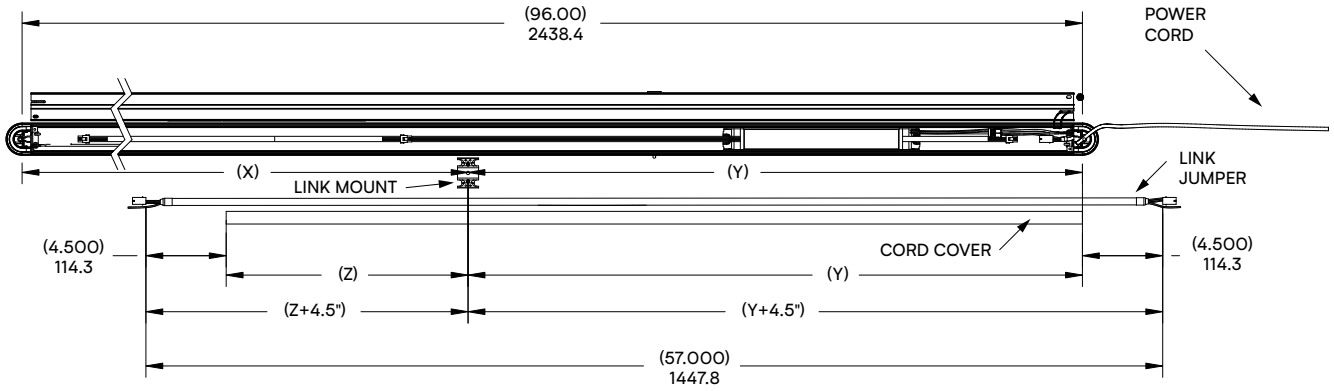
8 Predetermine Link Jumper Harness to be Coiled

Place link mount beside fixture at length “Y” from connection end as per layout drawing. Lay link harness beside fixture to predetermine length. The excess length Z is to be coiled and laid inside the driver cavity.

Y = Predetermined length. Measure from end of nominal fixture extrusion end to link mount center.

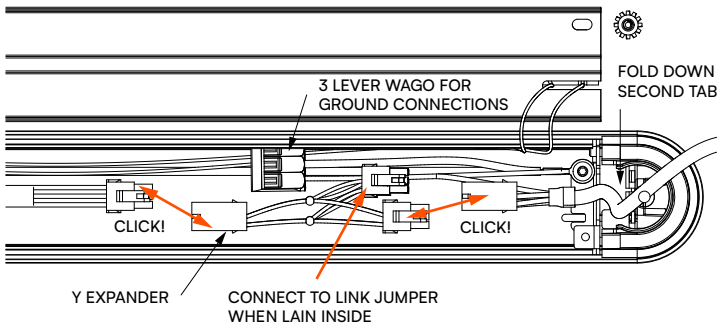
Z = Excess amount of link harness to be coiled and placed in the fixture.

NOTE: Be sure to leave ~4.5” extra on either end for the variable amount. This will allow for connecting inside the driver cavity and feeding through the link base to the connecting fixture in the next steps.

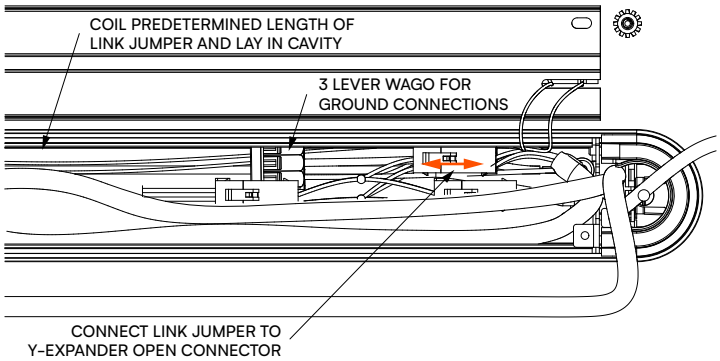


9 Install Inrun Join Kit

2ft link mount location shown for example. Power drop end shown with Y-expander placed in cavity. Replace 2 lever WAGO with provided 3 Lever WAGO and reconnect the ground connection of the power cord ground, and chassis ground. Fold down the second tab to allow for the link jumper to be passed through the end.



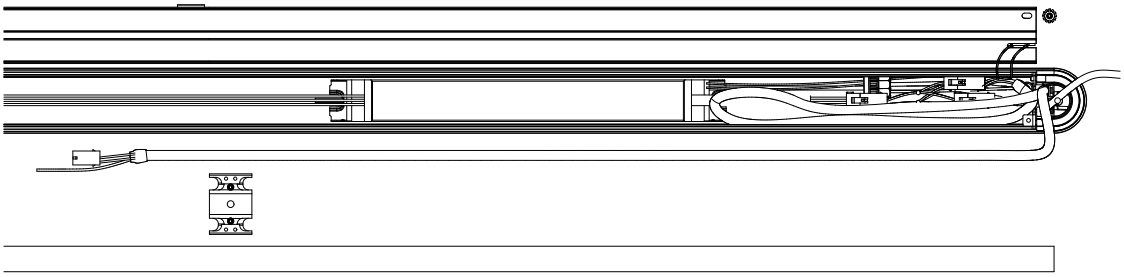
Proceed to make connections of the link jumper to the connectors inside the cavity. Connect link jumper ground wire to 3 lever WAGO ground to complete ground connections. Make sure all grounds are connected to 3 lever WAGO. Next connect the link jumper to the open Y-expander connector. Finally coil the predetermined length of the link jumper and lay inside the fixture cavity. Leave the remaining length outside of the fixture.



Fixed + Variable Link System

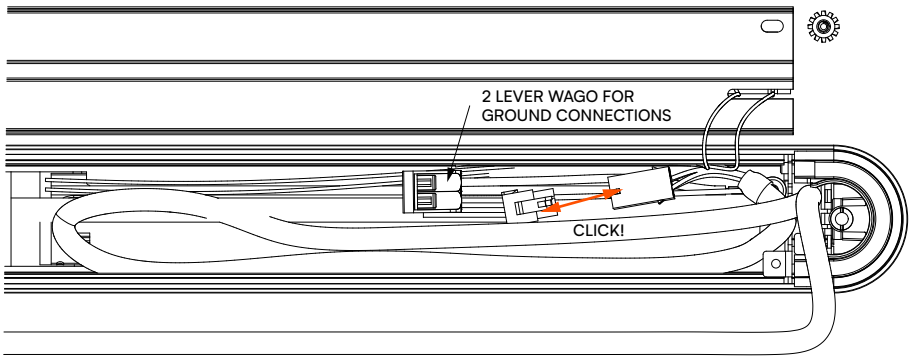
10 Coiled and Safely Tucked in Cavity

Example: Y = 2ft length from end and remaining length outside of fixture.



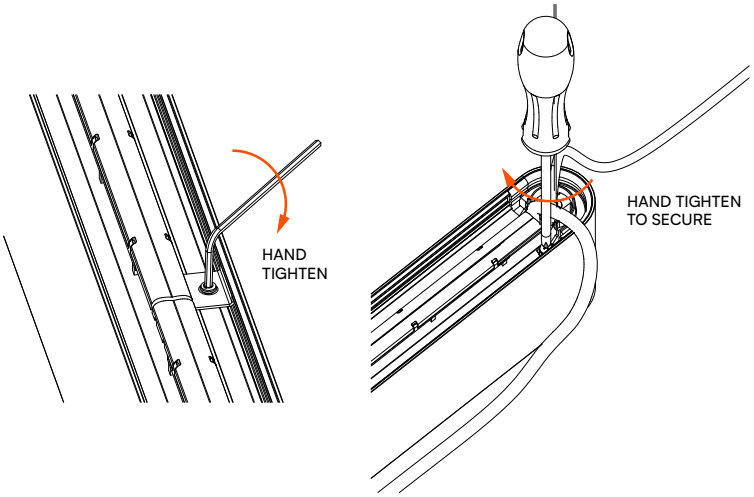
11 Non-Power End

For non power end, repeat steps 1-5 to remove top. Connect the ground wire from the link jumper to the 2 lever WAGO with ground to chassis. Connect link jumper connector to free connector in fixture. Coil predetermined length of link jumper and lay in cavity.



12 Connect to Suspended Fixture

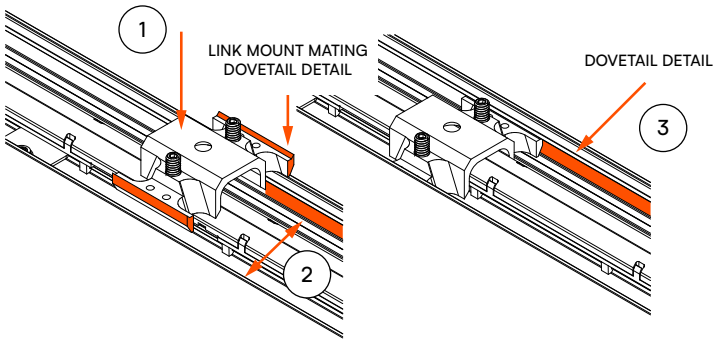
Reinstall top cover, ensure to safely tuck wires into cavity. Hand tightened screw on top cover to secure it in place. If installing a 5ft, 6ft, 7ft, or 8ft unit. The hold down bracket must be slid back to the midpoint of the fixture and secure in place.



Fixed + Variable Link System

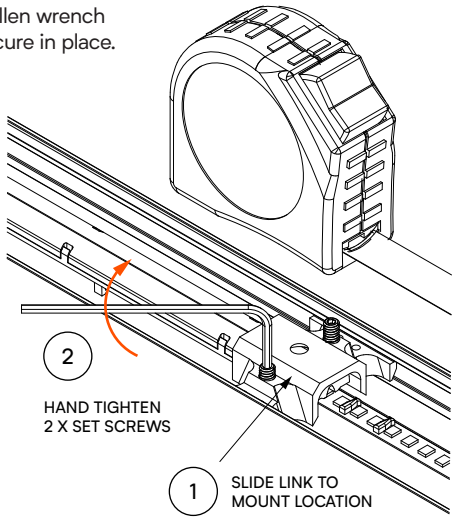
13 Install Variable Link Mount

1. Lower link mount so mating dovetail detail slides into dovetail detail on extrusion.
2. The link mount will push the top edge of the housing extrusion away
3. Link mount will snap into the dovetail channel once past the top edge of housing dovetail detail.



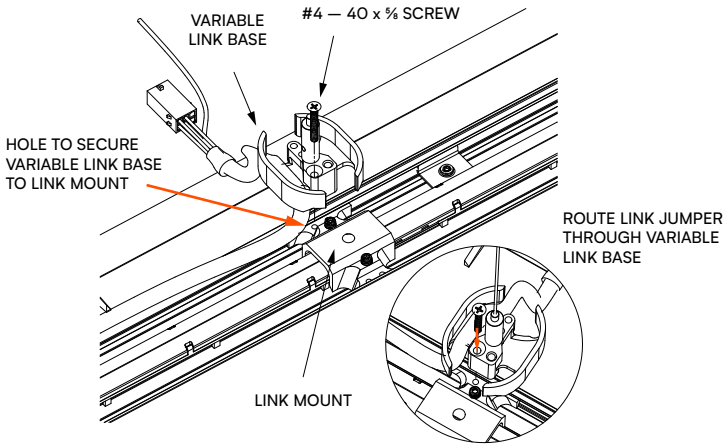
14 Position Link Mount

Slide link mount to mount location and secure in place with allen wrench 5/64s to secure in place.

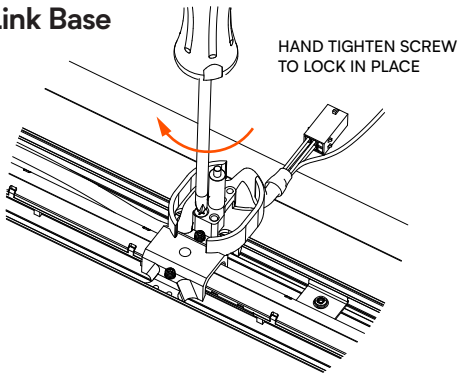


15 Install Link Base

Lay link jumper along the top, gather the variable link base to install to the link mount with the provided 1 x #4-40 x ⅝ inch screw. Feed the link jumper cable through the variable link base as shown.

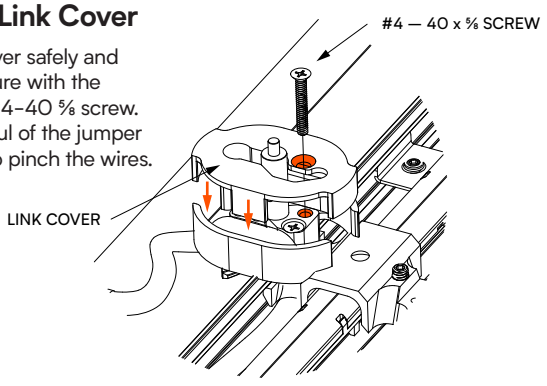


16 Secure Link Base



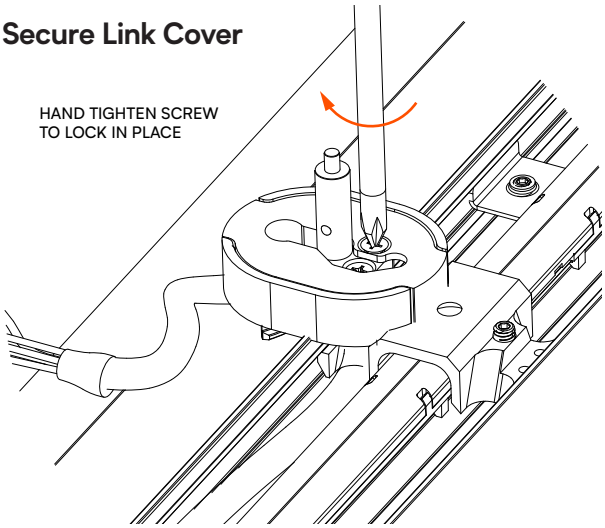
17 Install Link Cover

Install cover safely and then secure with the second #4-40 ⅝ screw. Be mindful of the jumper link not to pinch the wires.



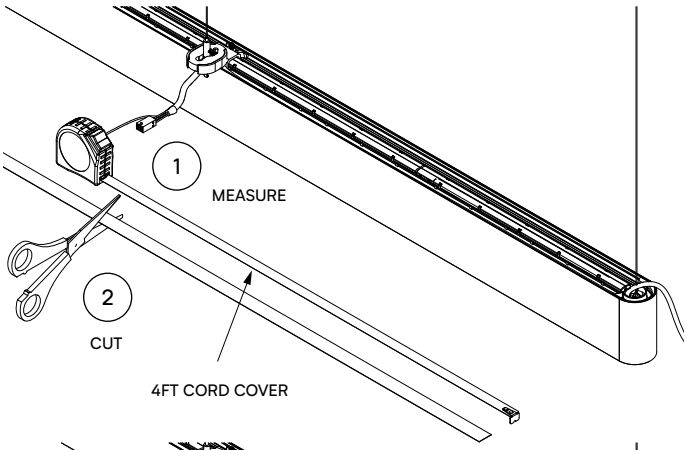
Fixed + Variable Link System

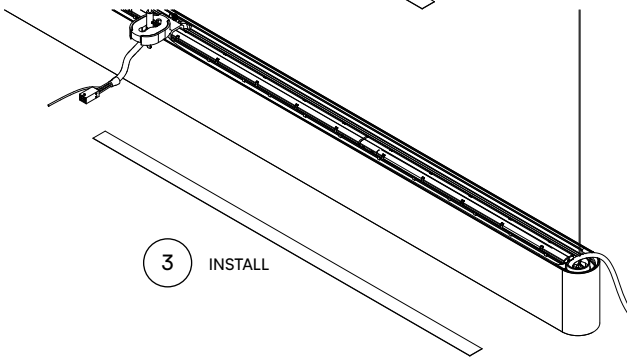
18 Secure Link Cover



19 Prepare Wire Cover

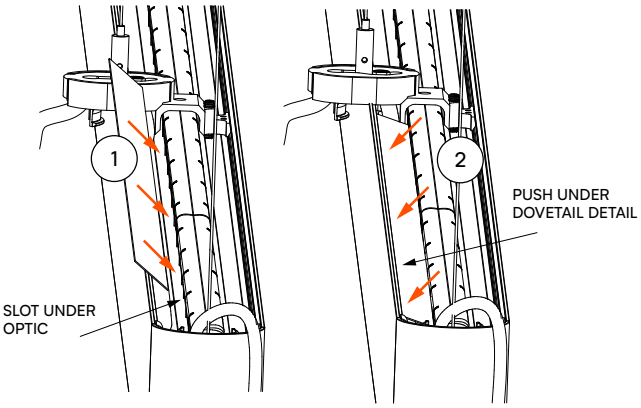
Gather wire cover and cut to appropriate length to cover the link jumper.





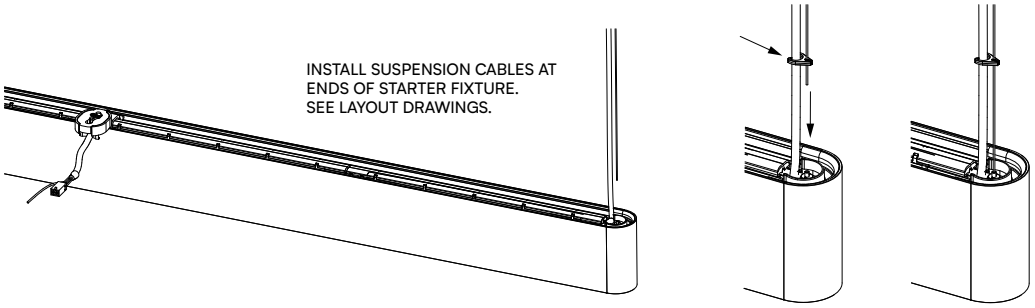
20 Install Wire Cover

Install wire cover by slotting into the channel under the optics. Next push down the top of the cord cover to tuck under the dove tail detail on the top of the housing.



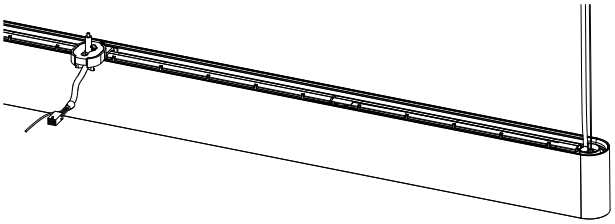
21 Raise Starter Fixture

Raise starter fixture to suspension cables Connect cord clips to suspension cable and power Cord.



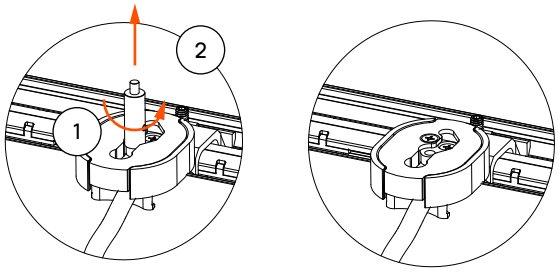
Fixed + Variable Link System

22 Gripper Installed On Link



23 Remove Gripper

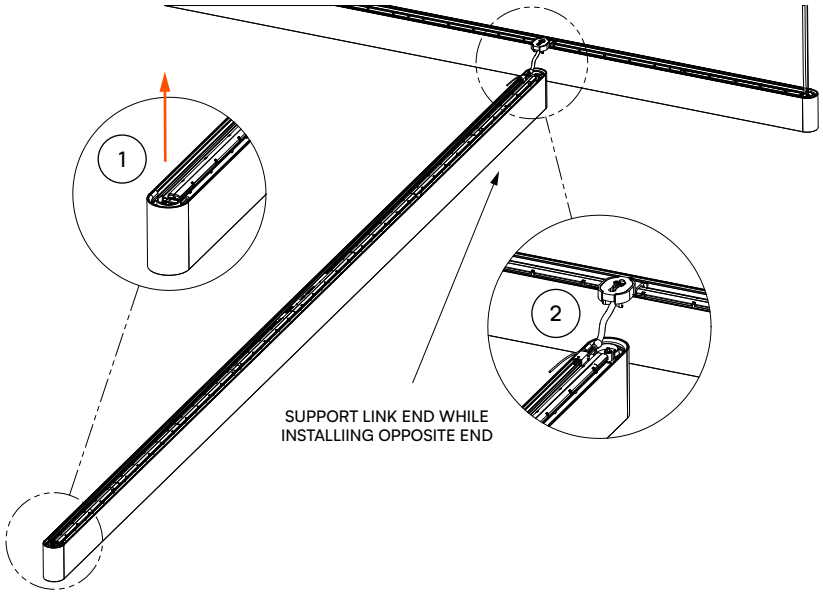
Remove gripper & 3-32 set screw from link base if the gripper is not required for suspension.



NOTE: The following steps show the gripper removed.

24 Prepare Next Fixture

Prepare the next connecting fixture in the pattern. Refer to step 5 to remove screws of top cover to gain access to electrical connections. Raise connecting fixture and suspend opposite end of connecting fixture before installing the link end.



25 Complete Mechanical Connections

Make mechanical connection with link at end (see fixed link connection steps 19 to 24 in fixed link instructions)

25 Secure Top Covers

Reinstall top cover and secure with screws. Level fixture before moving to the next fixture. (Refer to step 24 in fixed link instructions to adjust link to level once seated in wedge groove.)

Fixed + Variable Link System

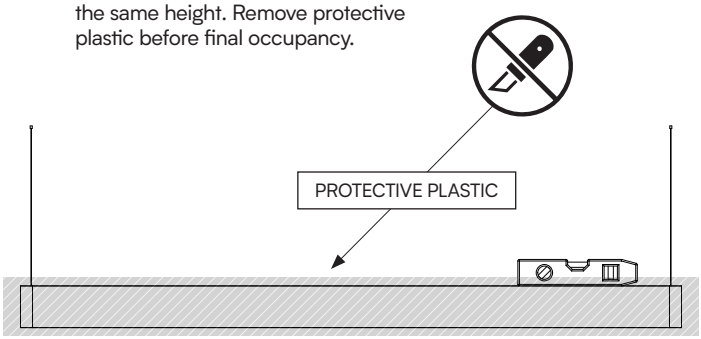
28 Electrical Connections

Refer to ceiling mounting type installation documents.

- G1 — Grid (ACT Ceiling Type)
- R1 — Recessed J-Box Flat Ceiling
- R2 — Recessed J-Box Sloped Ceiling
- E1 — Exposed J-Box Flat Ceiling
- E2 — Exposed J-Box Sloped Ceiling

29 Remove Protective Plastic

Ensure all fixtures are level and at the same height. Remove protective plastic before final occupancy.



Installation Steps — Variable Mount

1 Install Mounting

Install mounting hardware: Identify and install power and non power mounting hardware at assigned locations as per the layout drawings. *(Refer to ceiling type installation documents)*

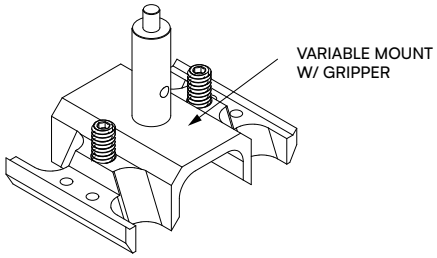
2 Place Boxes

Place boxes on ground below location based on layout drawings. Remove fixture from package. Do not remove protective plastic and any care labels during installation.

Important: *Start with the power drop location first and branch out for connecting additional fixtures to links.*

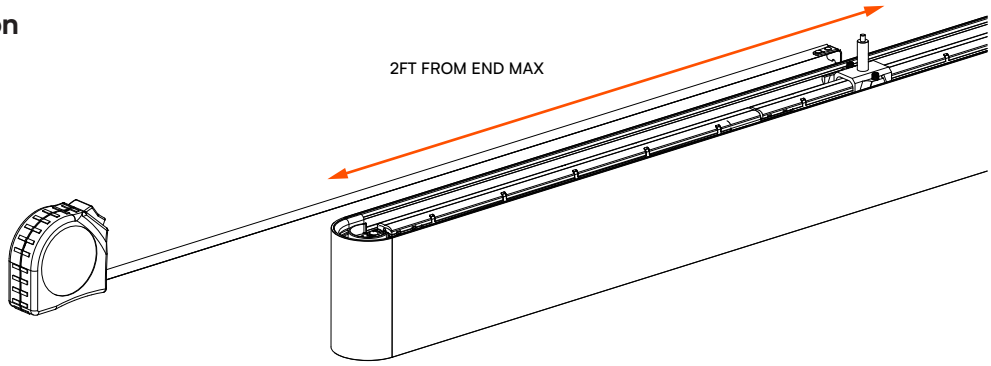
Important: *Do not join fixtures on the ground and raise them into place. This will damage the fixtures due to the significant forces on the joints.*

3 Gather Variable Mount Kit



4 Predetermine Mount Position

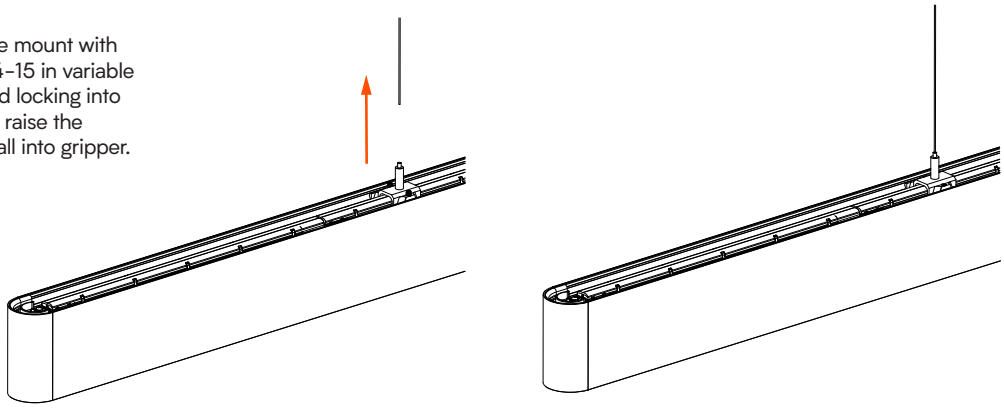
Refer to layout drawing of pattern for mount position. Do not install variable mount greater than 2ft from the end.



Fixed + Variable Link System

5 Install Mount On Fixture

Once position is known install variable mount with gripper into channel. (Refer to step 14–15 in variable link steps instructions for installing and locking into position). After link mount is installed, raise the fixture up to suspension cable to install into gripper.



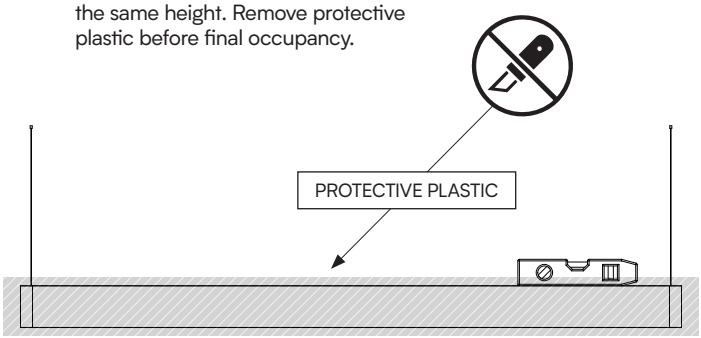
6 Electrical Connections

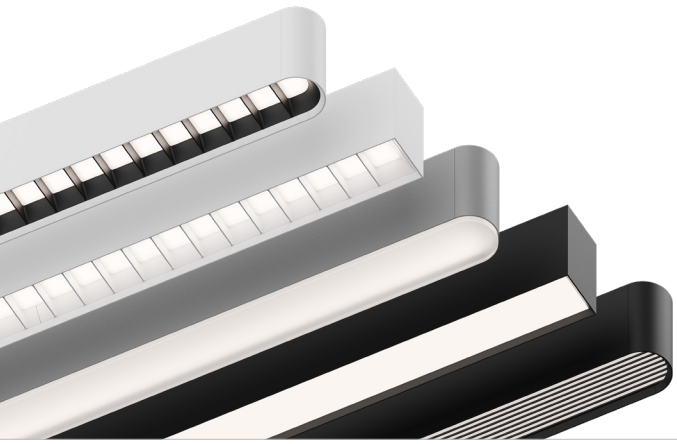
Refer to ceiling mounting type installation documents.

- G1 — Grid (ACT Ceiling Type)
- R1 — Recessed J-Box Flat Ceiling
- R2 — Recessed J-Box Sloped Ceiling
- E1 — Exposed J-Box Flat Ceiling
- E2 — Exposed J-Box Sloped Ceiling

7 Remove Protective Plastic

Ensure all fixtures are level and at the same height. Remove protective plastic before final occupancy.





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