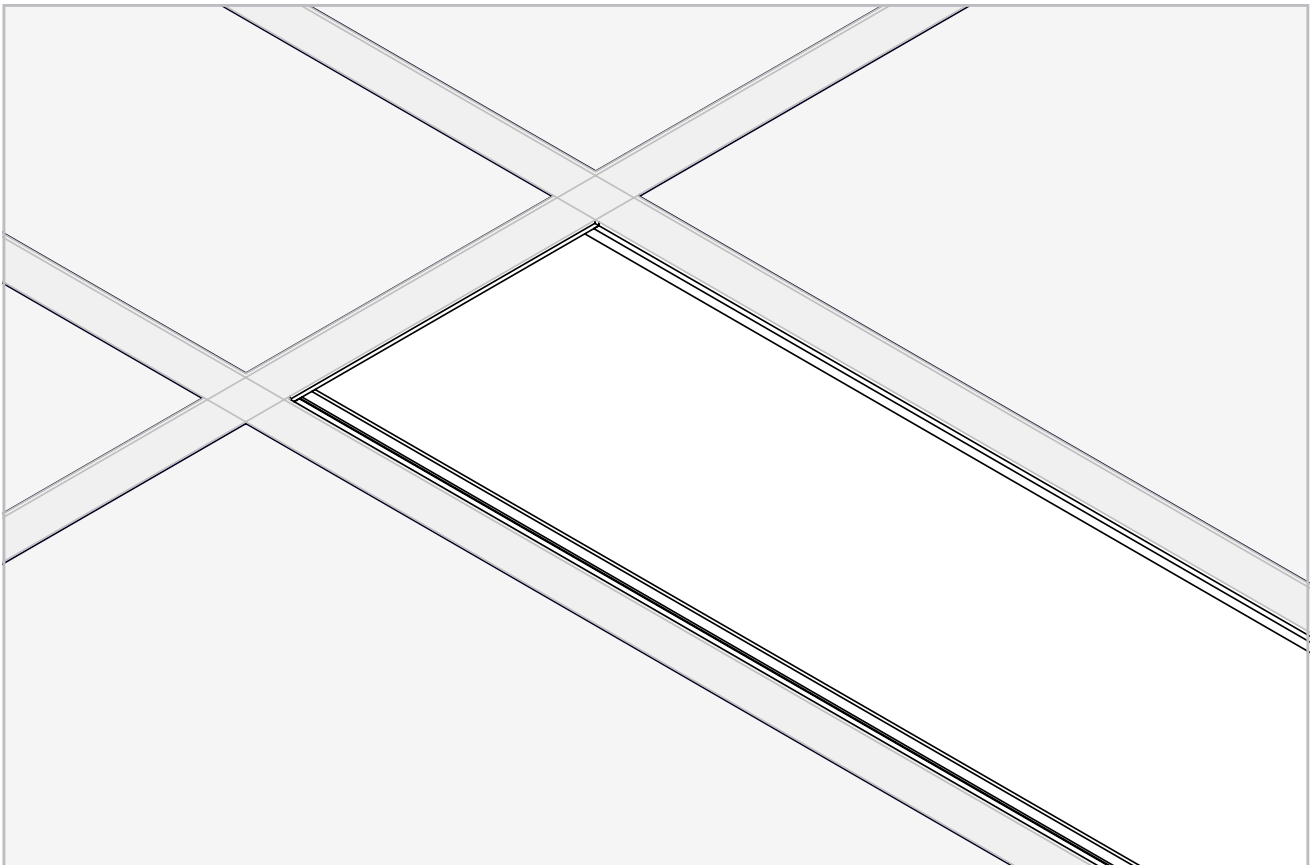




## INSTALLATION INSTRUCTIONS

# SUPERPLANE™ 4 RECESSED – SP4R

TGrid | ATZ | Slot



## SP4R - Safety & Warnings!

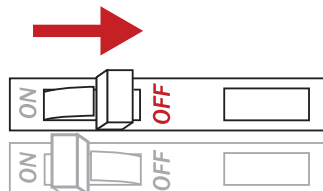
1. Read all instructions.
2. Install in accordance with national and local electrical code regulations.
3. This product is intended to be installed and serviced by a qualified, licensed electrician.
4. Do not install in wet locations. For dry and damp use only.
5. Turn off electrical power before installing or servicing fixture in any way.
6. To reduce the risk of fire and overheating, make sure all connections are tight.
7. His product is type IC (insulation contact) rated, and suitable for continuous row mounting.
8. Handle Controlroll™ lens with care! Always wear protective eye-wear while handling lens! Lens may chip/crack when handled roughly.

## SP4R - Attention!

1. Lisez toutes les instructions.
2. Installez conformément à la réglementation du code électrique national et local.
3. Ce produit est destiné à être installé et entretenu par un électricien agréé qualifié.
4. Ne pas installer à l'extérieur ou dans des endroits humides. Pour une utilisation en intérieur et sec seulement.
5. Coupez l'alimentation électrique avant de évoluer le système d'éclairage en aucune façon.
6. Pour réduire le risque d'incendie et de surchauffe, assurez-vous que toutes les connexions sont bien serrées.
7. Type IC. Pour emplacements secs seulement. Peut être monté en rangée continue.
8. Manipuler l'objectif ControlRoll avec soin! Portez toujours des lunettes de protection lors de la manipulation de l'objectif ControlRoll.

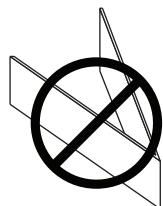


**SHOCK HAZARD! May result in serious injury or death.** Turn power OFF at circuit breaker prior to installation or servicing.

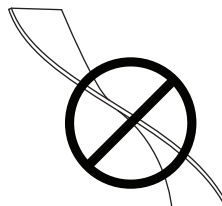


### **CONTROLROLL™ LENS HANDLING & SAFETY!**

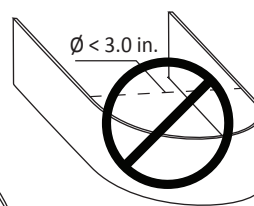
**ALWAYS WEAR PROTECTIVE EYEWEAR WHILE HANDLING LENS!**  
**LENS MAY CHIP/CRACK WHEN HANDLED ROUGHLY!**



**DO NOT** CREASE LENS



**DO NOT** TWIST LENS



**DO NOT** BEND LENS TO A  
DIAMETER LESS THAN 3 INCHES.

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DALI

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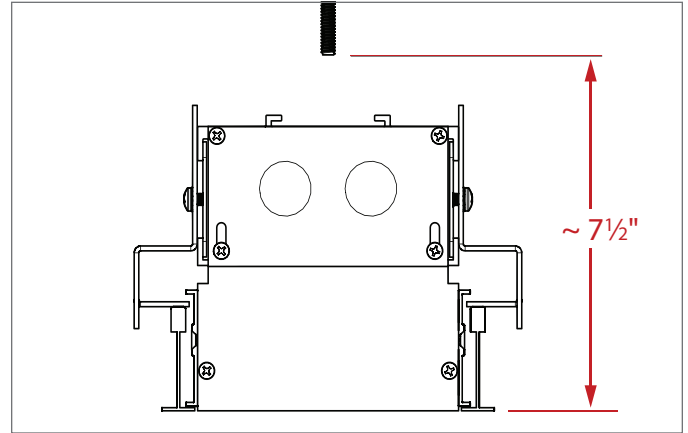
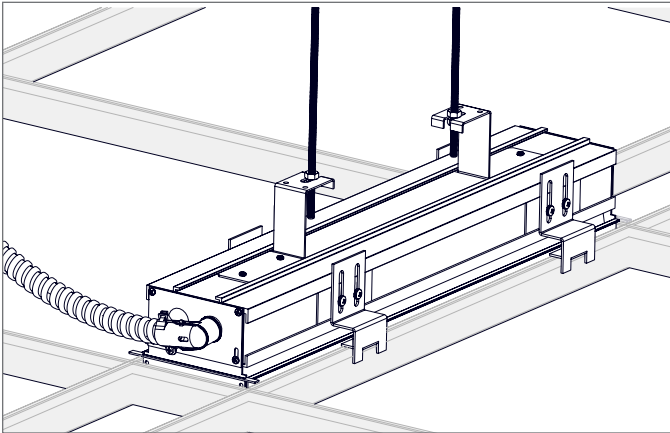
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**Troubleshooting**

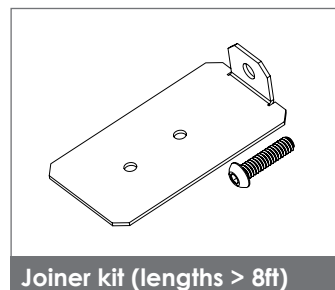
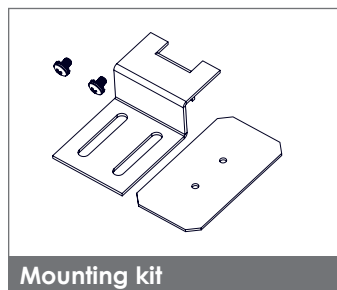
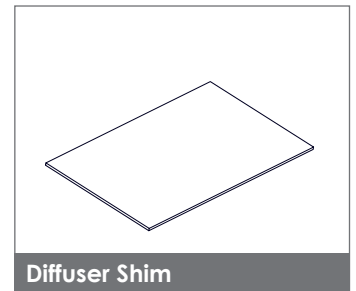
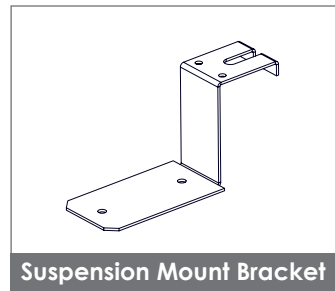
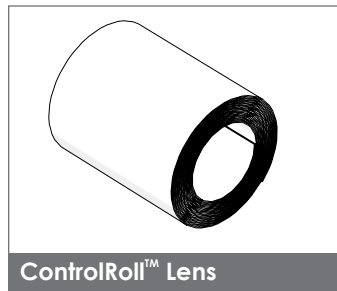
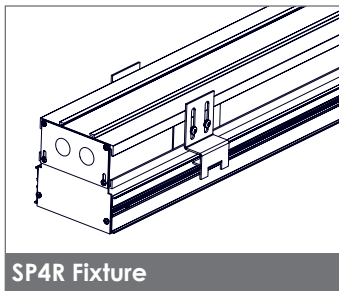
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# Luminaire Overview

## Diagram



## Included Parts



### Parts (by others)

- 1/4"-20 nuts

### Tools Required

- #2 phillips bit
- 1/8" allen key
- Wire strippers

### Quick Specs

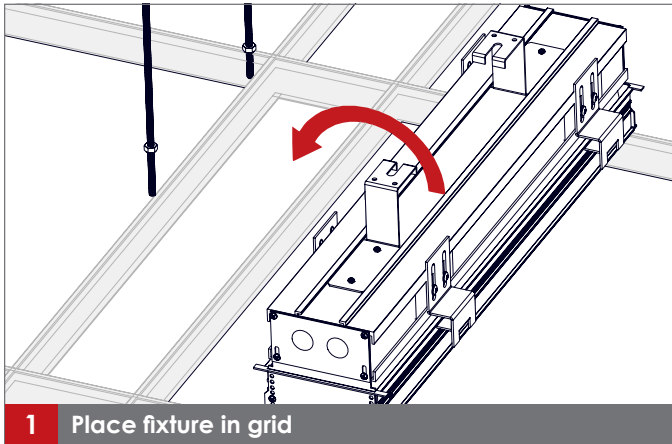
**Input voltage/Frequency:**  
See Product Label

**Rated Current:**  
See Engineering Drawing

**Ambient Temp.:**  
-4° ~ 122°F (-20° ~ 50°C)

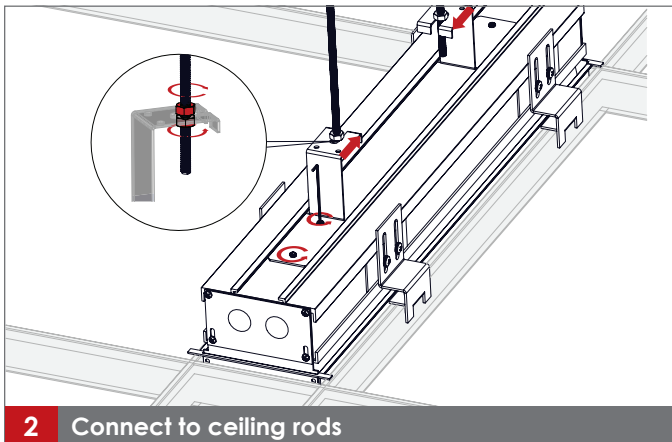
**Environment:**  
Dry and Damp Locations

## Installation: Mounting



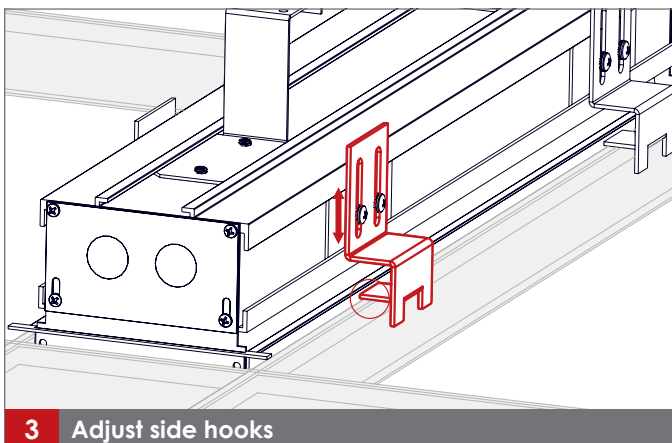
**1** Place fixture in grid

Ensure grid spacing as per spec sheet for the fixture. Insert fixture into appropriate spot and rest it on the grid. Check for alignment. Do not remove the protective film on the fixture opening yet.



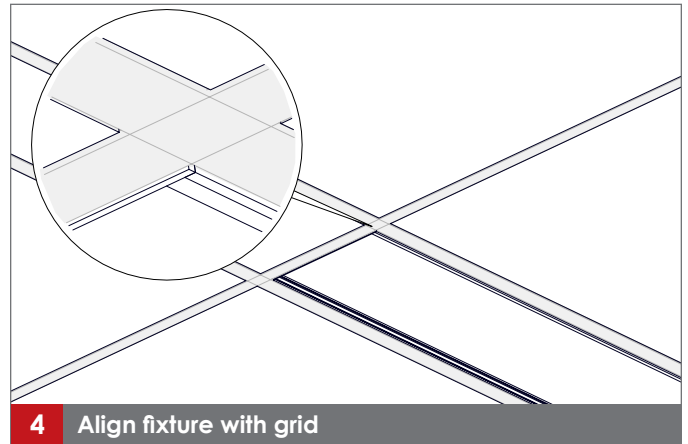
**2** Connect to ceiling rods

Slide Suspension mount brackets on top channel and screw them to 1/4-20 ceiling rods using 1/4-20 nuts (not provided) approximately 8" from the ends of fixture section. For sections 6' and longer, install a third bracket at the section center.



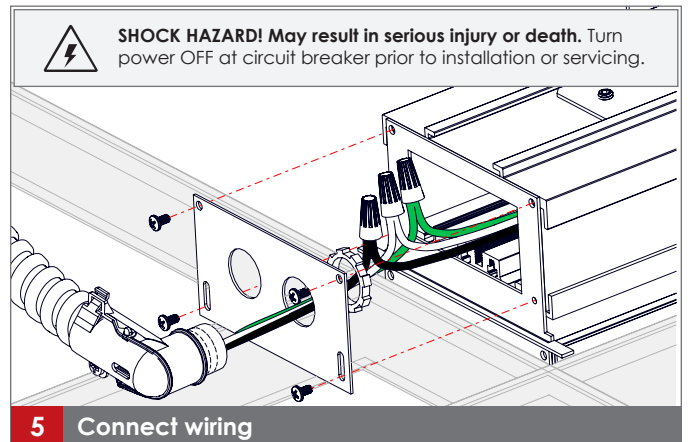
**3** Adjust side hooks

Loosen screws to position side hooks so that they rest on the grid and then tighten them in place.



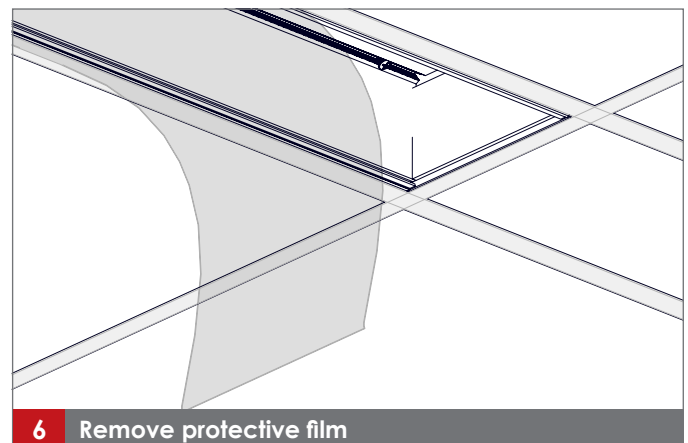
**4** Align fixture with grid

Check the fixture for flushness and alignment. Adjust side hooks or nuts on ceiling rod if necessary.



**5** Connect wiring

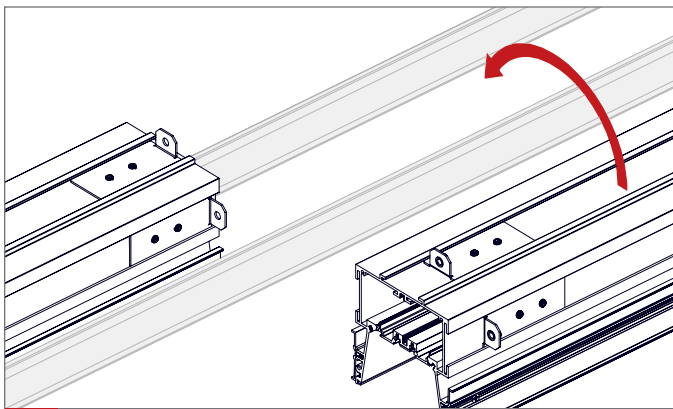
Take off the end cap window cover and punch the knock-out. Make connections as shown and secure conduit to window cover. Screw the cover back ensuring not to pinch wires between parts. See wiring details on pg. 8.



**6** Remove protective film

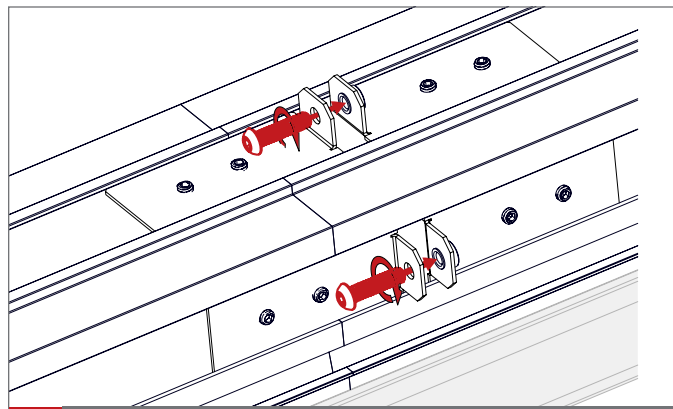
Remove the protective film on the fixture. You may reuse it after the lens is installed to protect the fixture from dust, scratches and debris until it is commissioned.

## Installation: Joining Straight Sections



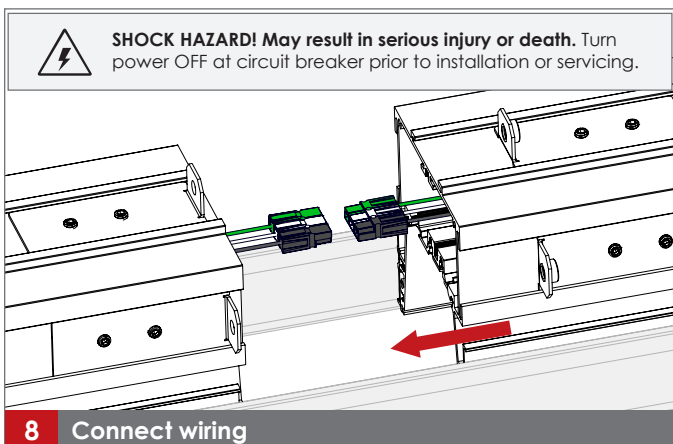
### 7 Put adjacent section in place

Put adjacent section in the grid at designated position.



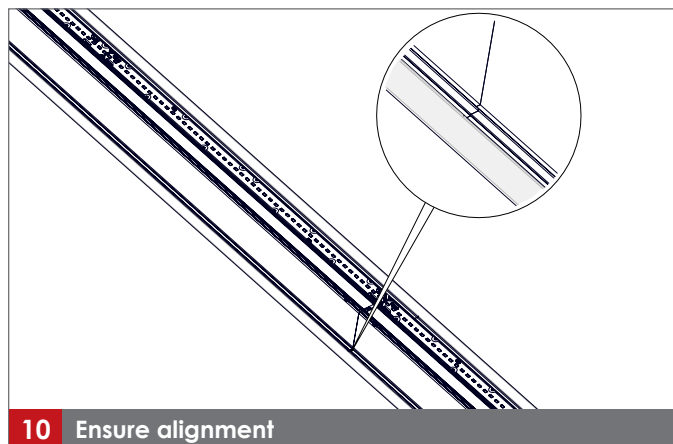
### 9B Connect brackets

Tighten the set screws on the connector bracket and attach both fixtures by provided M6 screws.



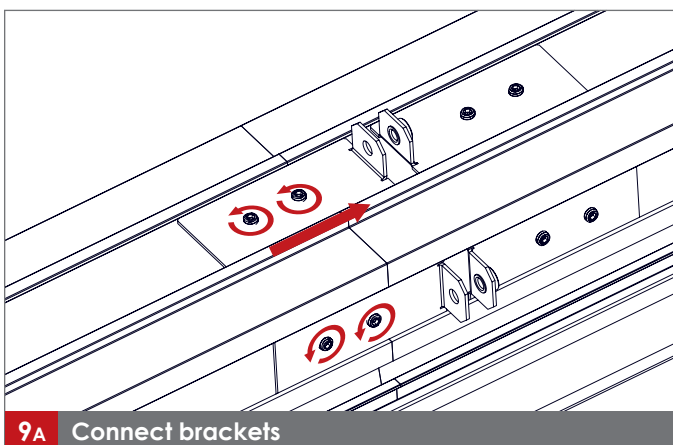
### 8 Connect wiring

Connect wiring quick-connects and slide the adjacent section so that the faces are flush.



### 10 Ensure alignment

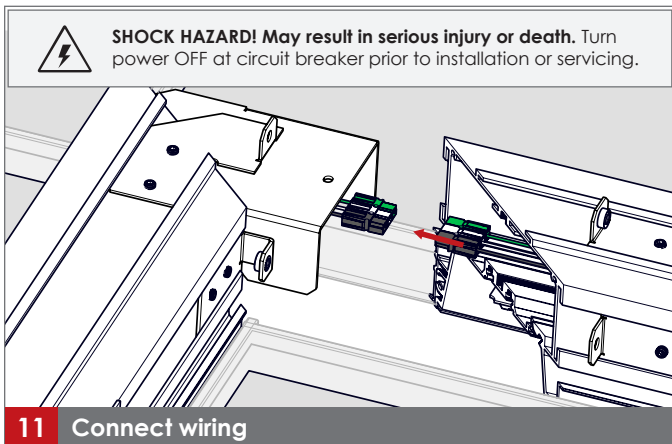
Make sure the two fixtures are aligned. Attach the newly installed fixture to 1/4-20 rods in ceiling as outlined in steps 2 and 3.



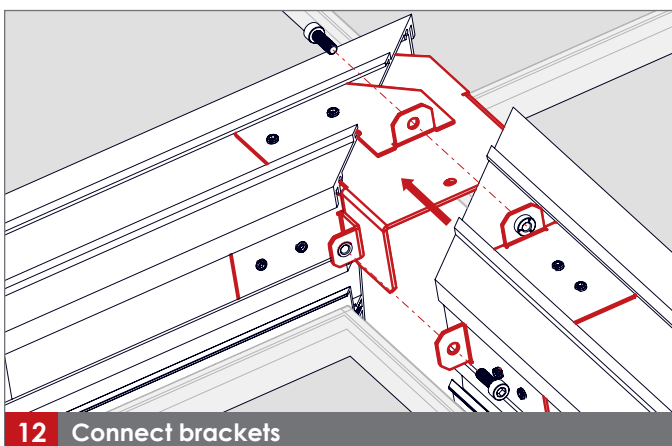
### 9A Connect brackets

Loosen the set screws using 1/8" allen key and slide the section connectors on one section until they are approximately 1/4" apart.

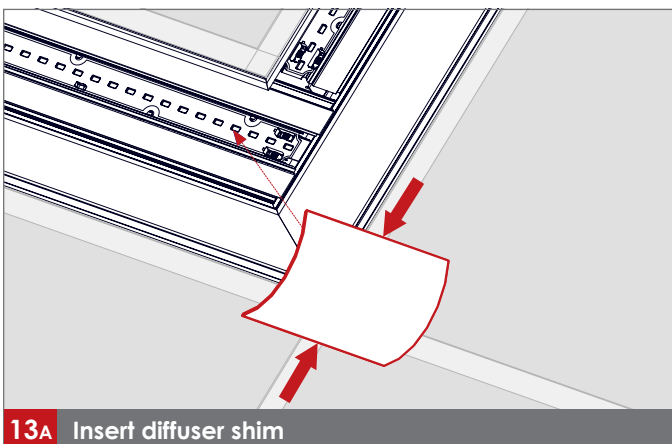
## Installation: Joining Mitered Corners



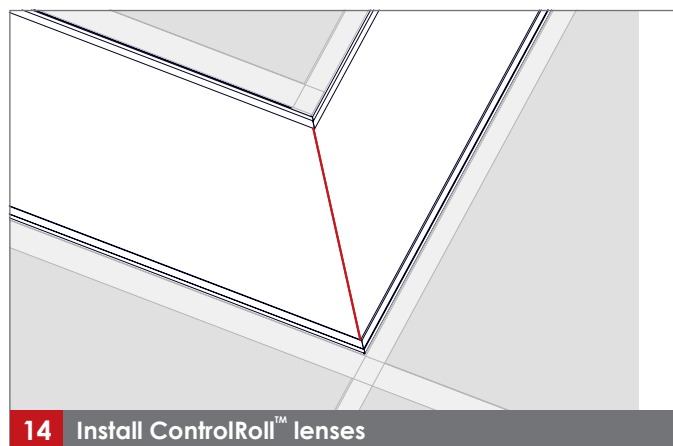
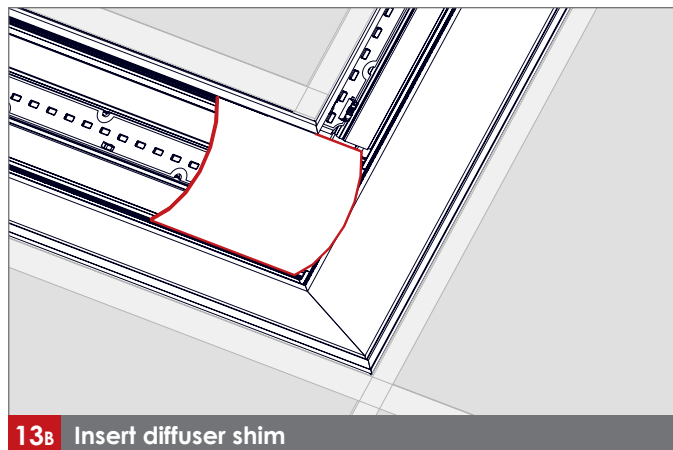
Connect wiring quick-connects between fixture sections.



Slide the miter sections together aligning with the internal bracket and screw the top and side miter connectors.



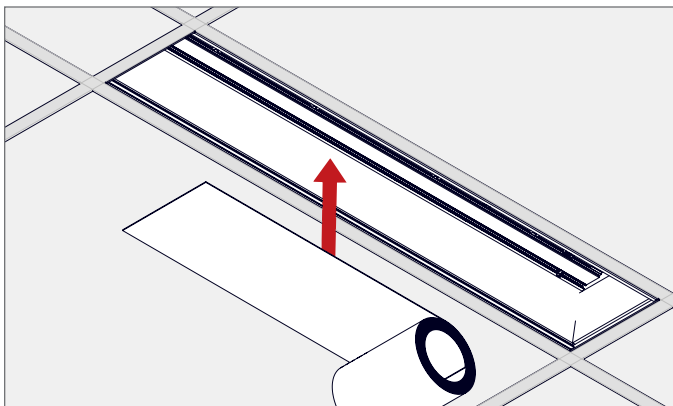
Bend the provided diffuser shim and insert it into the grooves in the side walls of the extrusion so that it covers the LEDs extending into the miter joint.



Install lenses as shown in Step 15 through Step 18. Ensure not to form a gap at the miter joint.

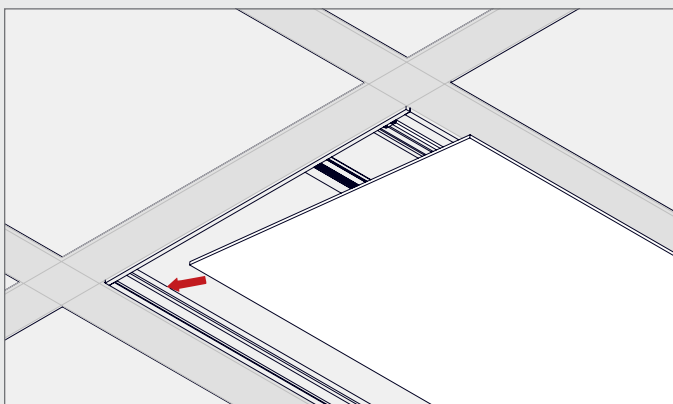


## Installation: ControlRoll™ Lens



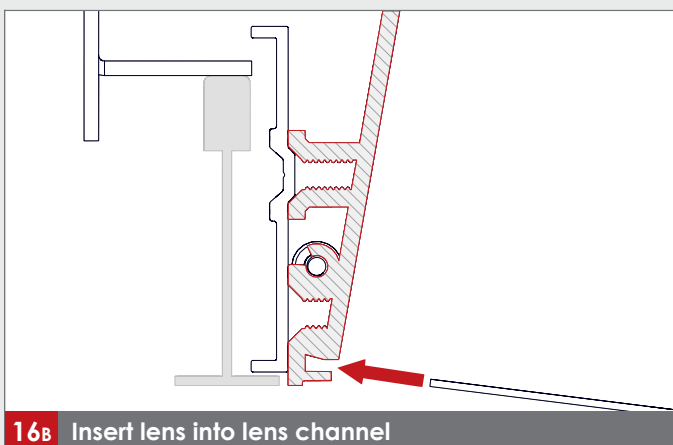
**15** Bring lens to fixture

Raise ControlRoll lens to fixture. For longer fixture lengths, two people may be needed. **Always wear protective eye-wear while handling lens!** Lens may chip/crack when handled roughly!



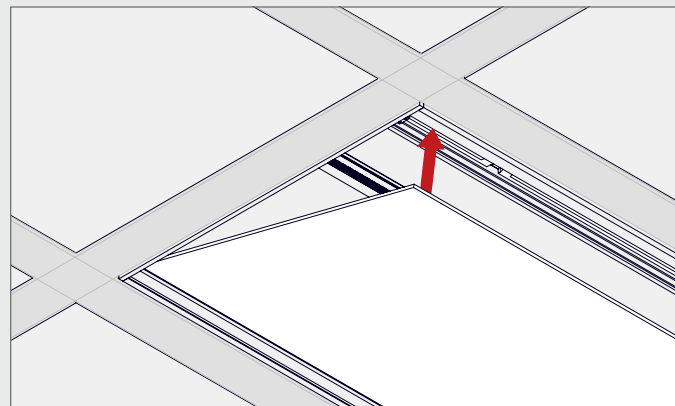
**16A** Insert lens into lens channel

Insert one edge of lens into the lens channel.



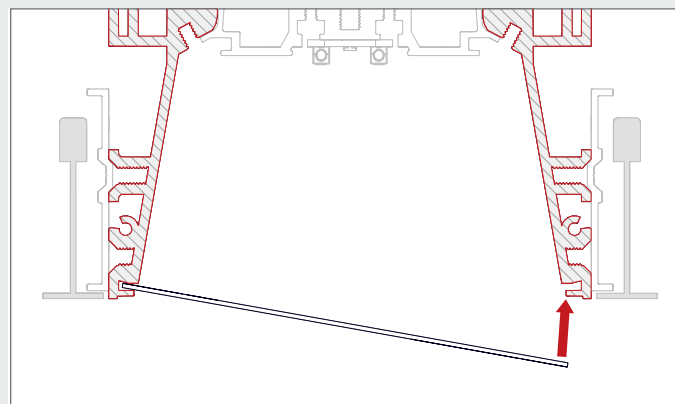
**16B** Insert lens into lens channel

Insert lens into lens channel.



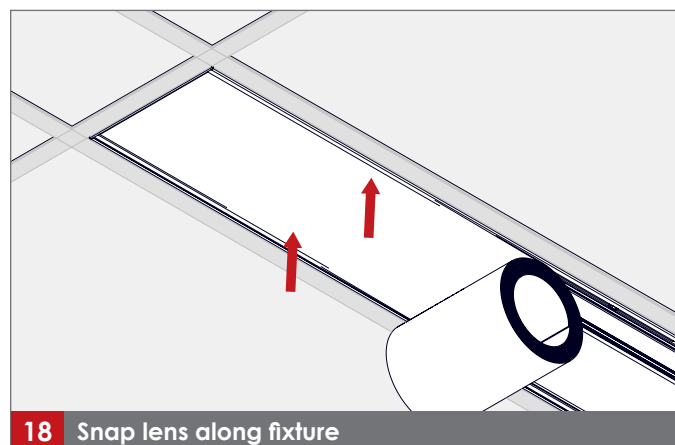
**17A** Press lens into lens channel

With first edge of lens in lens channel, press other side of lens up toward opposite channel.



**17B** Press lens into lens channel

Push lens upward until it snaps into second lens channel.



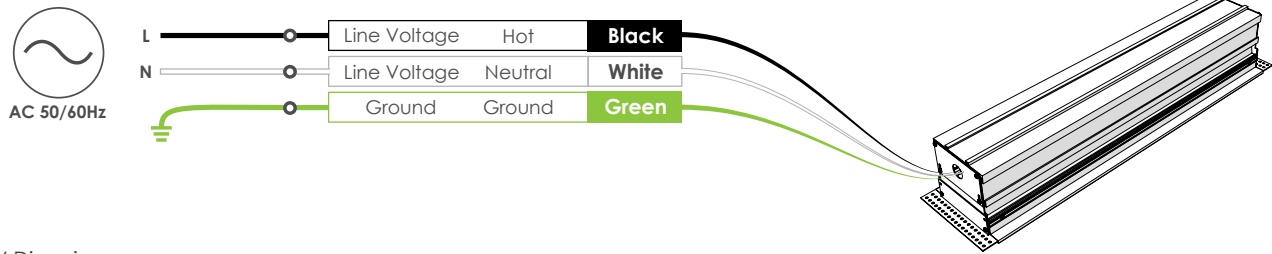
**18** Snap lens along fixture

Continue pressing both sides of lens into lens channel until lens is fully installed along length of fixture.

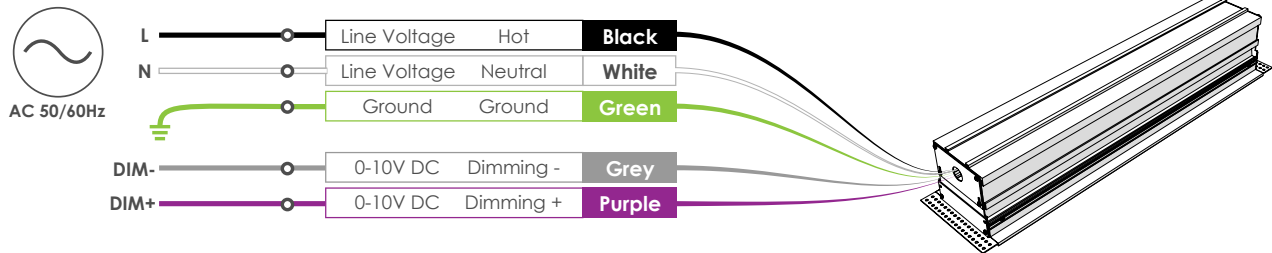


# Wiring diagram

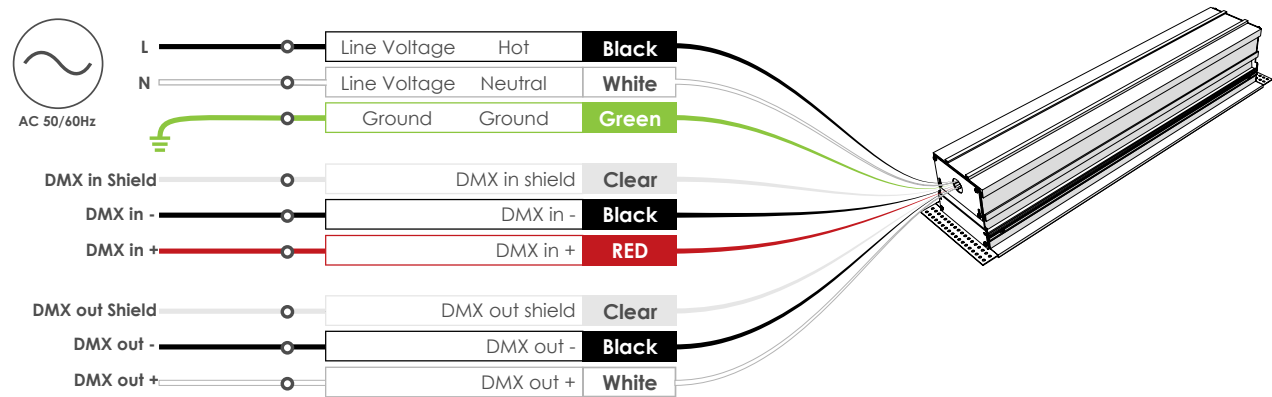
## Traditional On/Off



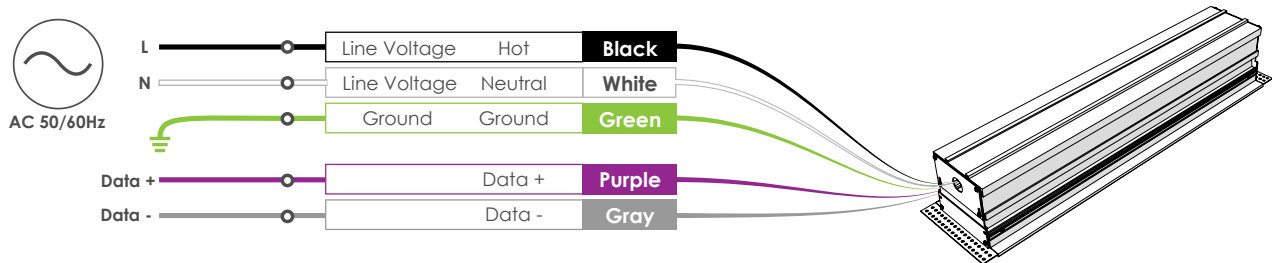
## 0-10V Dimming



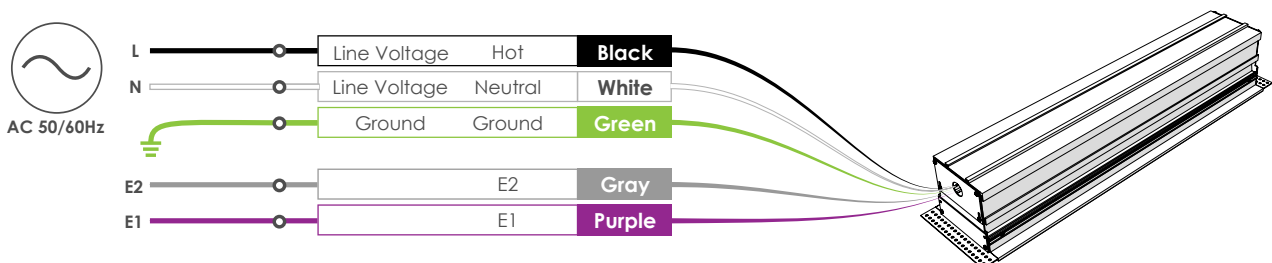
## DMX



## DALI



## Lutron LDE



## Troubleshooting

Only a certified electrician can service and troubleshoot product field issues. Always turn main power off before servicing fixture.

### Full Fixture does not illuminate

- Ensure fixture is wired correctly and power is on.
- Check that circuit breaker is on and not off or tripped.
- Internal LED driver may be defective.

### Full fixture is flickering

- **0-10V, DMX, and DALI Dimming Models:** Ensure polarity is correct for DATA + and - connections. Swapping DATA + and - connections can cause flickering.
- **TRIAC Dimming Models:** Ensure a compatible TRIAC Forward Phase dimmer is connected to fixture. Call tech support for further information.
- Possible loose DATA + and - connections from fixture to 0-10V, DMX, or DALI control.
- Possible loose low voltage DC + or - connection from driver to LED. Call customer support.

### Fixture section(s) do not illuminate

- Possible loose low voltage DC + or - connection between LED boards or from LED driver to LED boards.
- Some fixtures contain multiple LED drivers. In this case, it's possible one of the drivers is defective, which will cause the LED connected to the driver not to illuminate. Call tech support.

### Fixture section(s) are flickering

- Possible loose low voltage DC + or - connection between LED boards.

### Fixture does not dim

- **0-10V, DMX, and DALI Dimming Models:** Ensure polarity is correct for DATA + and - connections. Swapping DATA + and - connections can cause flickering.
- **TRIAC Dimming Models:** Ensure a compatible TRIAC Forward Phase dimmer is connected to fixture. Call tech support for further information.
- Possible loose DATA + and - connections from fixture to 0-10V, DMX, or DALI control.