



1718 W. Fullerton Chicago, IL 60614  
 Ph: 773.770.1195 • Fax: 773.935.5613  
 www.PureEdgeLighting.com • info@PureEdgeLighting.com  
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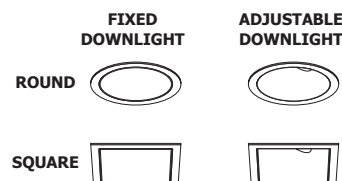
## Installation Instructions for Luca 3.5" Static White 120V-277V, Recessed Fixed and Adjustable Downlights, Trim

L35-\_\_

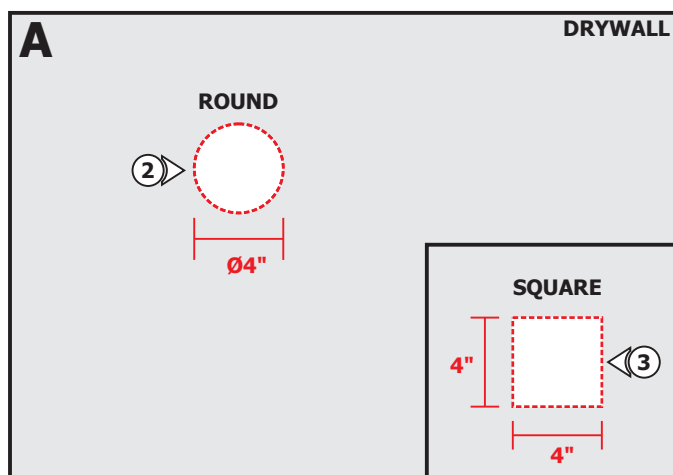
### IMPORTANT INFORMATION

- This instruction shows a typical installation.
- Suitable for wet locations.
- Use only with PureEdge Lighting specified trims.
- This product must be installed by a qualified electrician and in accordance with local electrical codes.
- Before beginning any electrical work, ensure that power is turned OFF.

**SAVE THESE INSTRUCTIONS!**



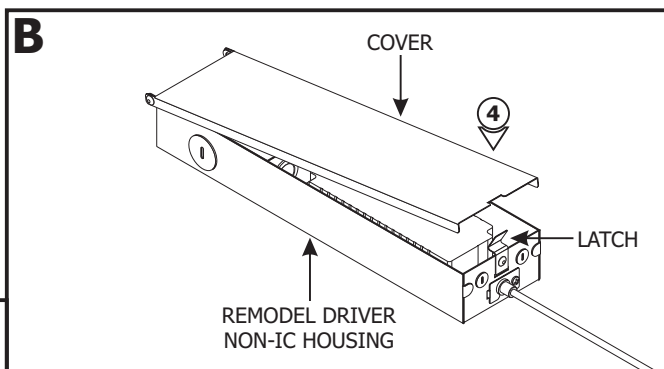
## Section One: Remodel Driver Non-Insulation Contact

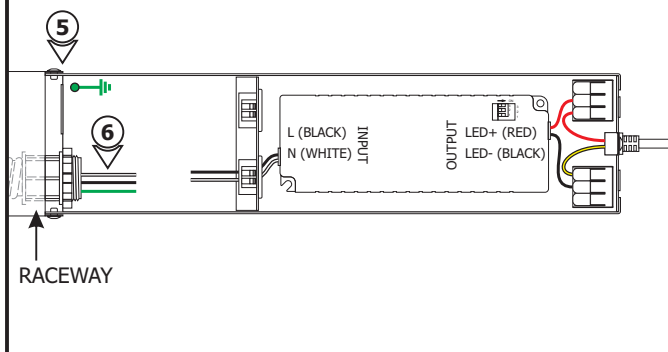


**NOTE:** Do not install insulation within 76mm (3in) of any part of the luminaire.

- 1:** Determine the location of the Luca Downlights. Mark the locations on the ceiling.
- 2: Round:** Use a Ø4" hole saw to cut out a hole on the drywall.
- 3: Square:** Use a fixed jab saw to cut out a 4x4" square on the drywall.

- 4:** Press the latch on the Remodel Driver Non-IC housing to lift off the cover.



**C**

**NOTE:** Only to be used with a flexible metal conduit.

**5:** Remove a knockout to install raceway to the Remodel Driver housing. Install raceway(s) (if required by local electrical code).

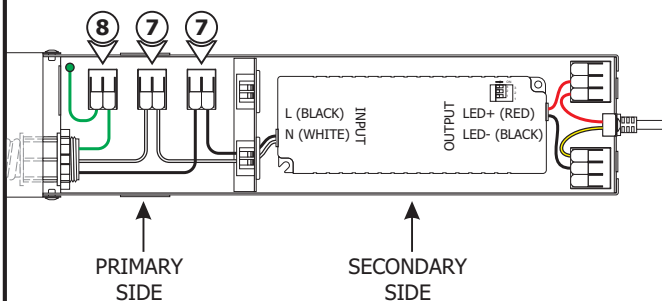
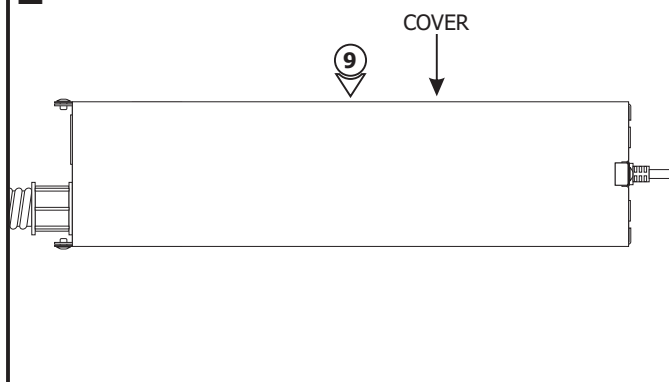
**6:** Run the line power wires to the housing.

**7:** In the primary side of the housing, connect the white driver wire to the neutral power wire using a wire nut. Connect the black driver wire to the line power wire using a wire nut.

**8:** Make sure the housing is grounded in accordance with local electrical codes.

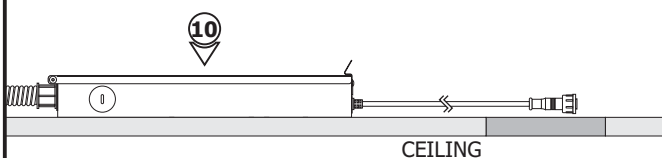
**NOTE:** For 0-10V Dimming, in the secondary side of the housing connect the purple (DIM+) and pink (DIM-) driver wires to the 0-10V+ and 0-10V- wires from the dimmer respectively. Refer to the wiring diagram on page 8 and the instructions provided with the dimmer.

**NOTE:** For DALI, connect the purple (DA1) and pink (DA2) driver wires to the Dali Controls. Refer to the wiring diagram on page 8 and the instructions provided with the Dali controller.

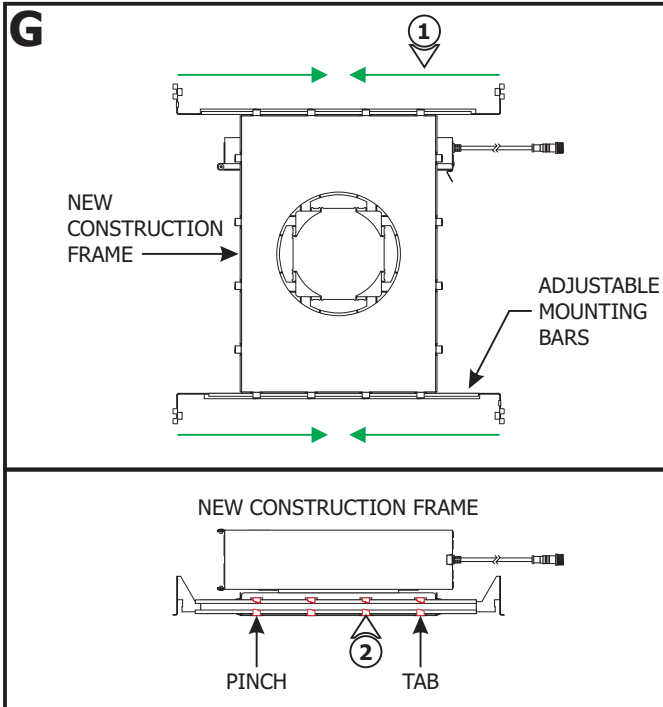
**D****E**

**9:** Place all wire connections inside the junction box and close the cover.

**10:** Place the Remodel Driver housing inside the ceiling.

**F**

## Section Two: Install the New Construction Frame Non-Insulation Contact

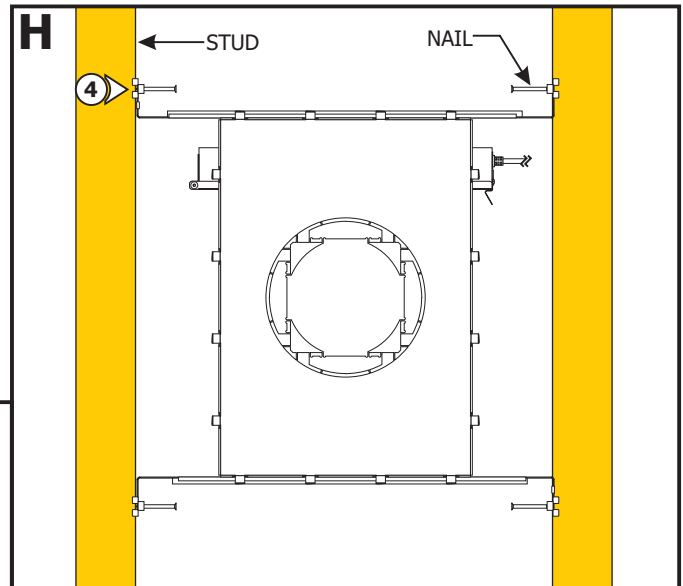


**NOTE:** Do not install insulation within 76mm (3in) of any part of the luminaire.

**NOTE:** Omit this section if using New Construction Housing Insulation Contact. Refer to Section Three.

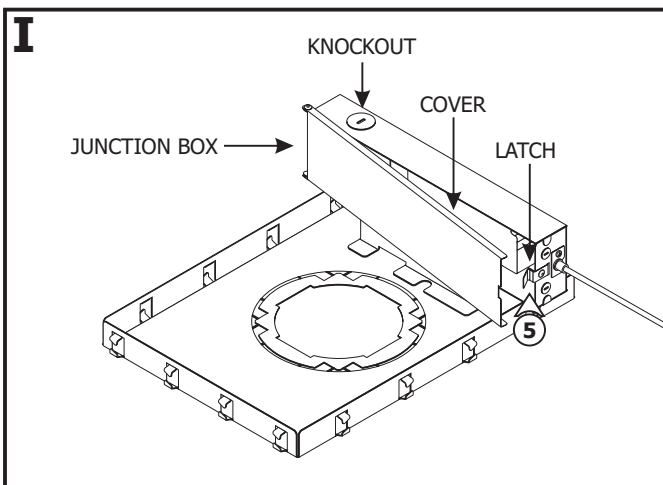
**1:** Slide the adjustable mounting bars through the tabs on the sides of the frame.

**2:** Pinch the tabs to lock in place.



**3:** Select the location between the two studs for the frame to be mounted.

**4:** Place the adjustable mounting bar tabs between the studs. Secure the adjustable bars to the studs with screws or use a hammer to pound the nails.

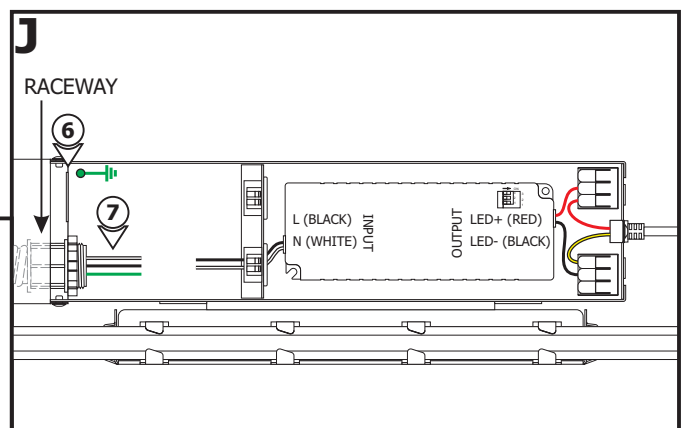


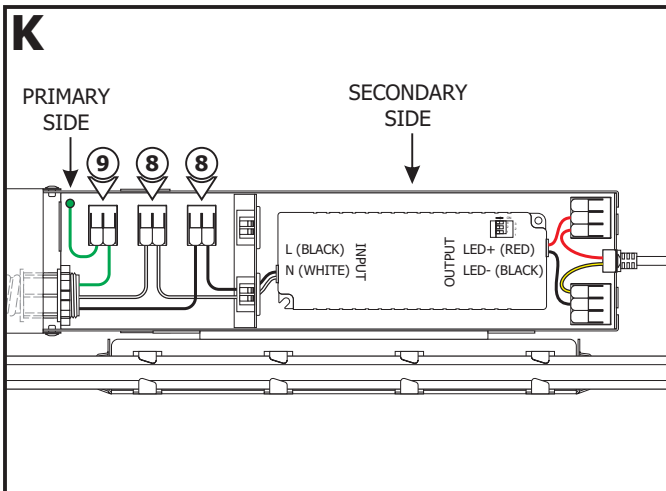
**5:** Lift the latch on the junction box and lift off the cover.

**NOTE:** Only to be used with a flexible metal conduit.

**6:** Remove a knockout to install raceway to the junction box on the housing. Install raceway(s) (if required by local electrical code).

**7:** Run the line power wires to the junction box on the housing.



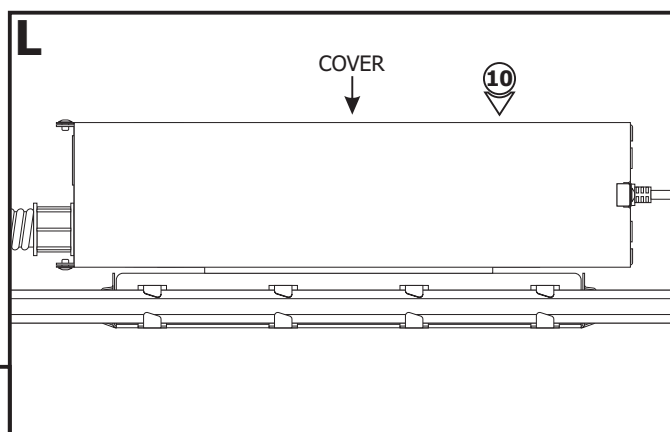


**8:** In the primary side of the junction box, connect the white driver wire to the neutral power wire using a wire nut. Connect the black driver wire to the line power wire using a wire nut.

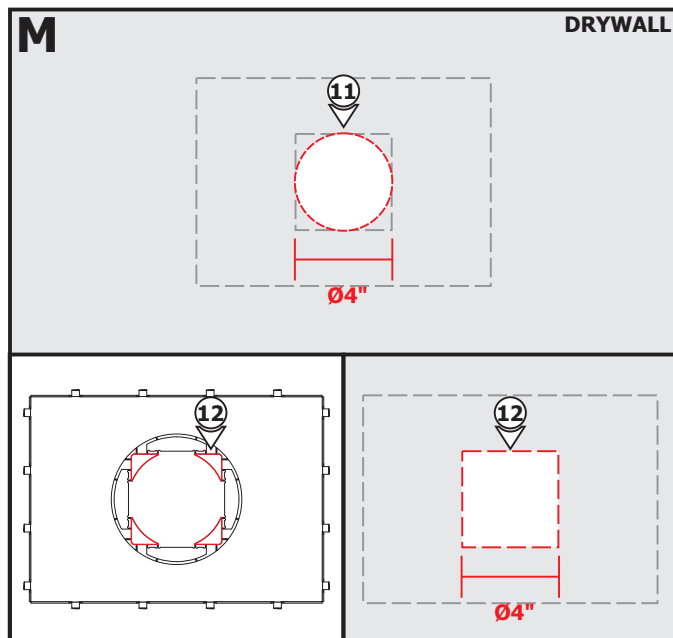
**9:** Make sure the junction box is grounded in accordance with local electrical codes.

**NOTE:** For 0-10V Dimming, in the secondary side of the junction box connect the purple (DIM+) and pink (DIM-) driver wires to the 0-10V+ and 0-10V- wires from the dimmer respectively. Refer to the wiring diagram on page 8 and the instructions provided with the dimmer.

**NOTE:** For DALI, connect the purple (DA1) and pink (DA2) driver wires to the Dali Controls. Refer to the wiring diagram on page 8 and the instructions provided with the Dali controller.



**10:** Place all wire connections inside the junction box and close the cover.

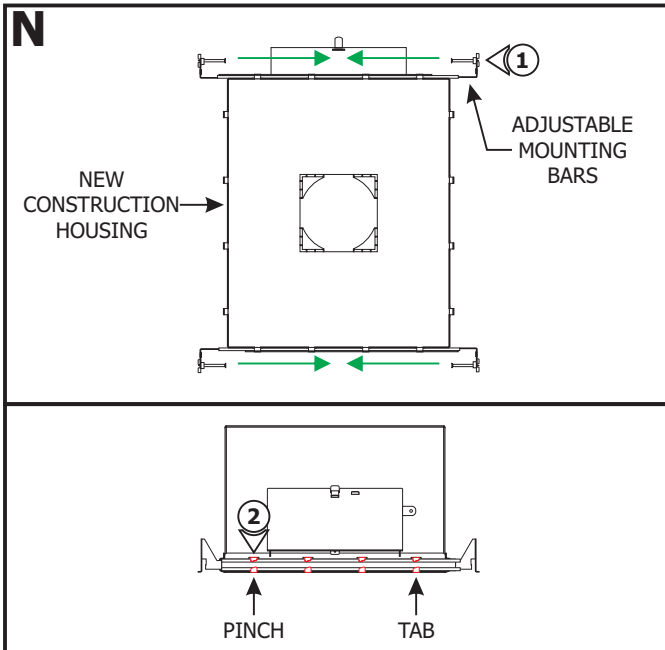


**11: Round:** Use a Ø4" hole saw to cut out the drywall section where the housing opening is located.

**12: Square:** Remove the corner pieces using pliers. Use a fixed jab saw to cut out a 4x4" square on the drywall where the housing opening is located.

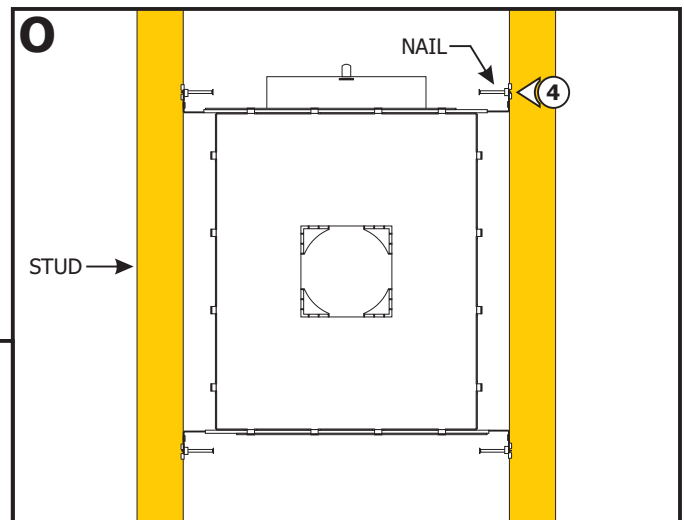
**13:** Install the drywall. If necessary, plaster and finish the drywall.

## Section Three: Install the New Construction Housing Insulation Contact



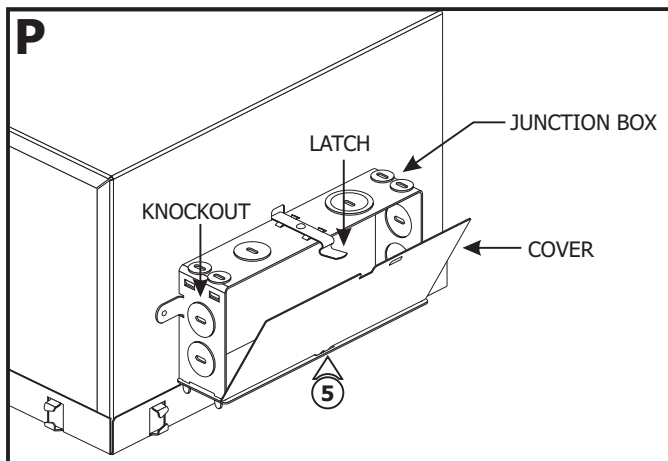
**1:** Slide the adjustable mounting bars through the tabs on the sides of the housing.

**2:** Pinch the tabs to lock in place.



**3:** Select the location between the two studs for the housing to be mounted.

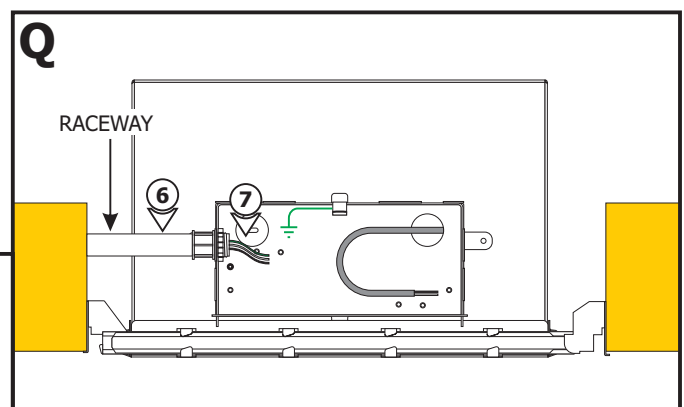
**4:** Place the adjustable mounting bar tabs between the studs. Secure the adjustable bars to the studs with screws or use a hammer to pound the nails.

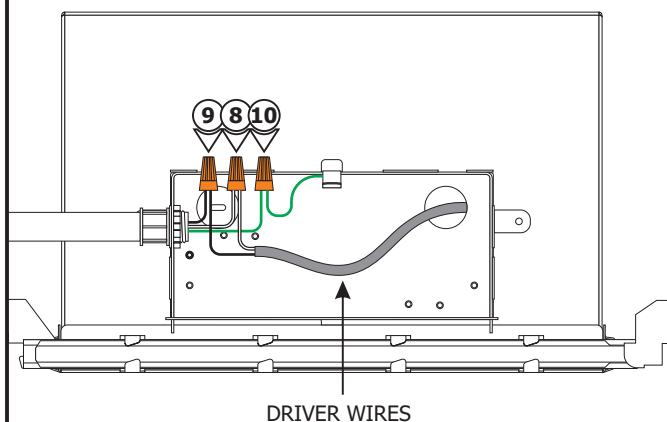


**5:** Lift the latch on the junction box and remove the cover.

**6:** Remove a knockout to install raceway to the junction box on the housing. Install raceway(s) (if required by local electrical code).

**7:** Run the line power wires to the junction box on the housing.



**R**

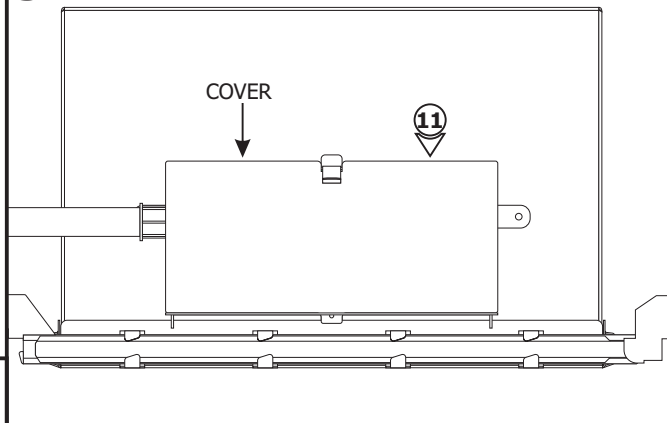
**8:** Connect the white driver wire to the neutral power wire using a wire nut.

**9:** Connect the black driver wire to the line power wire using a wire nut.

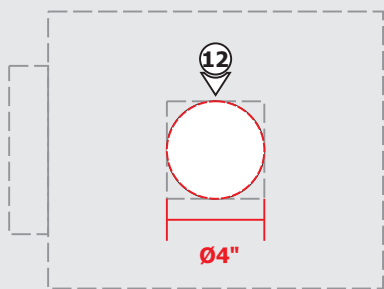
**10:** Make sure the junction box is grounded in accordance with local electrical codes.

**NOTE:** For 0-10V dimming, connect the purple (DIM+) and pink (DIM-) driver wires to the 0-10V+ and 0-10V- wires from the dimmer respectively. Refer to the wiring diagram on page 8 and the instructions provided with the dimmer.

**NOTE:** For DALI, connect the purple (DA1) and pink (DA2) driver wires to the Dali Controls. Refer to the wiring diagram on page 8 and the instructions provided with the Dali controller.

**S**

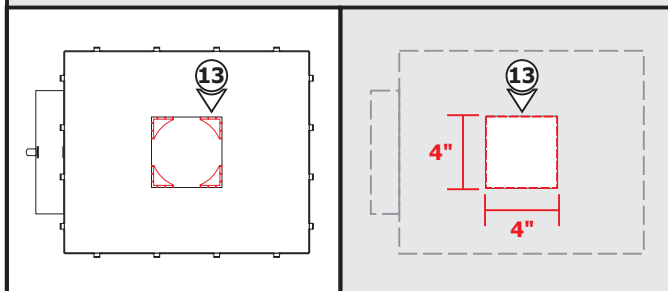
**11:** Place all wire connections inside the junction box and replace the cover.

**T****DRYWALL**

**12: Round:** Use a Ø4" hole saw to cut out the drywall section where the housing opening is located.

**13: Square:** Remove the corner pieces using pliers. Use a fixed jab saw to cut out a 4x4" square on the drywall where the housing opening is located.

**14:** Install the drywall. If necessary, plaster and finish the drywall.



## Section Four: Install the Luca Downlight

### U

**DO NOT CONNECT  
WITH POWER ON**

CEILING

1: BARREL CONNECTOR

LUCA DOWNLIGHT FIXTURE

ROUND TRIM

2: (Callout showing connector nut being twisted)

**NOTE:** Blinking light of this thermally protected luminaire may indicate overheating.

**WARNING:** Ensure that power is turned OFF before connecting the fixture to the driver. DO NOT CONNECT WITH POWER ON OR MAY RESULT IN FIXTURE DAMAGE.

**1:** Reach inside the opening and carefully pull out the barrel connector from the driver. Align and push the barrel connector from the Luca Downlight into the barrel connector from the driver.

**2:** Twist the connector nut to lock in place.

### V

3: (Trim being pushed into ceiling)

SPRING CLIP

5: (Spring clips locking trim)

LUCA DOWNLIGHT TRIM

4: (Adjustable downlight being inserted into trim)

LUCA DOWNLIGHT ADJUSTABLE

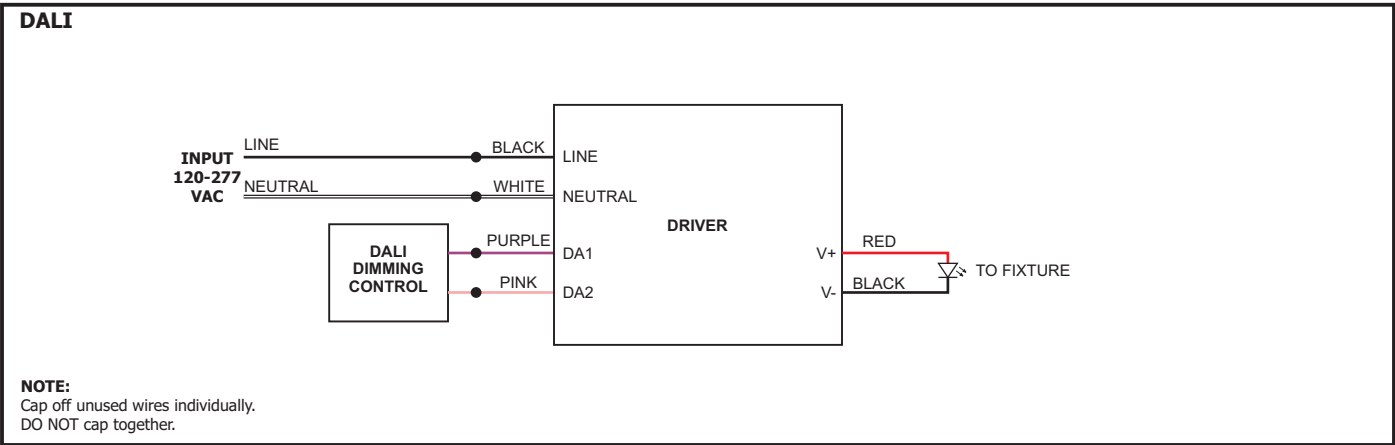
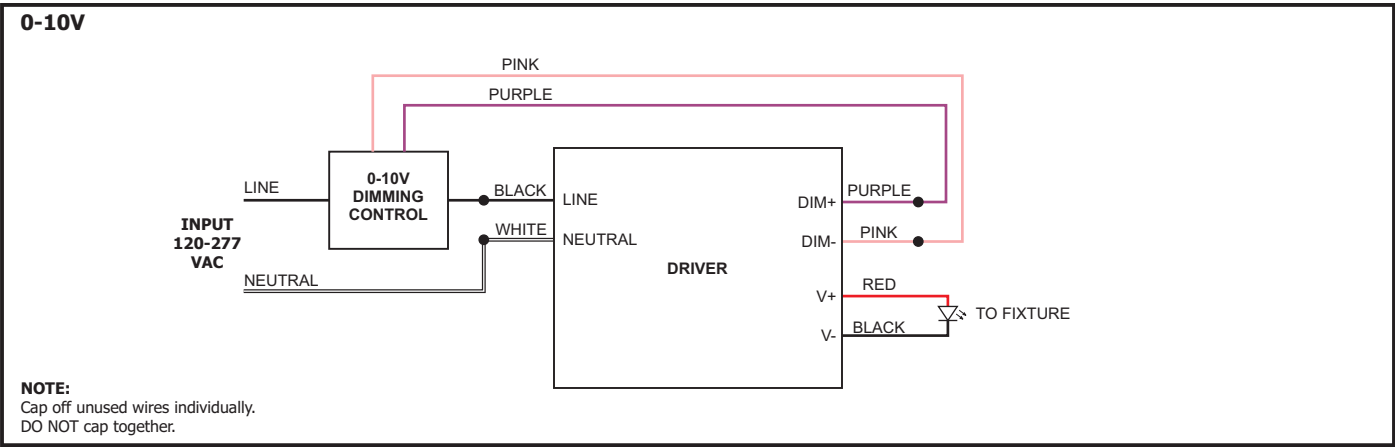
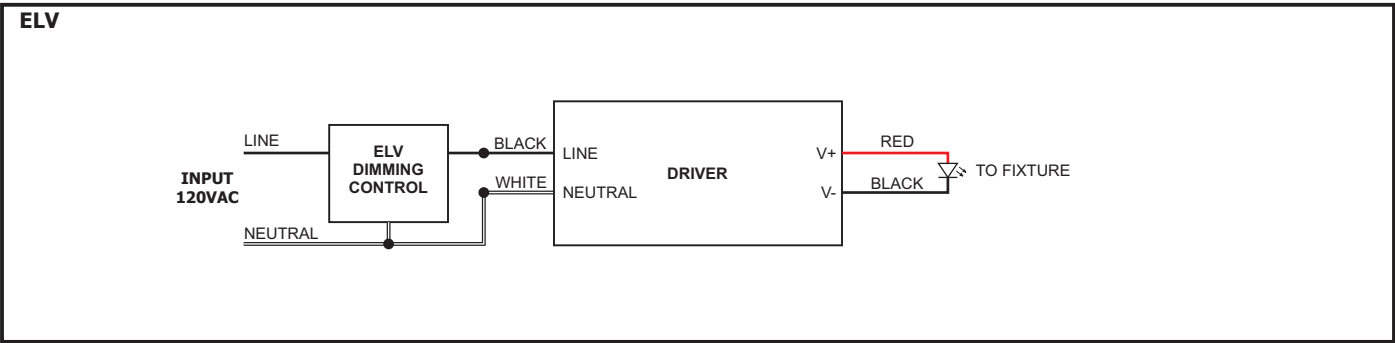
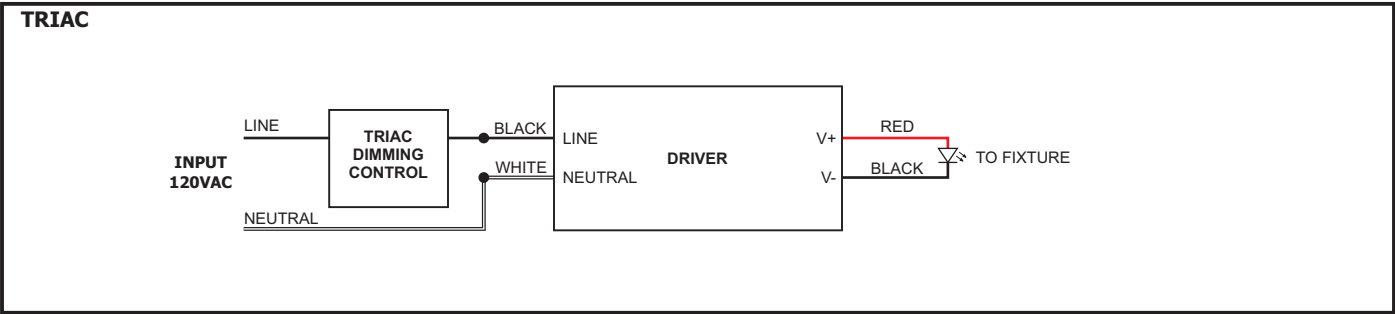
**3:** Place the barrel connectors inside the opening.

**4:** For the Adjustable Downlights, ensure the downlights are in the desired position before placing them inside the opening. The Adjustable Downlight tilts up to 30 degrees.

**5:** Lift the spring clips and push the Luca Downlight inside the opening until it locks into place.

**6:** To remove the fixture, use fingers to carefully pull the fixture out of the trim. Push the fixture back inside the trim until it snaps in place.

# General Wiring Diagrams







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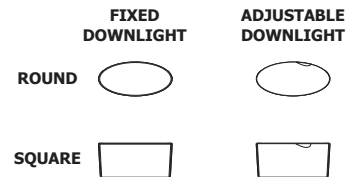
## Installation Instructions for Luca 3.5" Static White 120V-277V, Recessed Fixed and Adjustable Downlights, Trimless

L35-\_\_

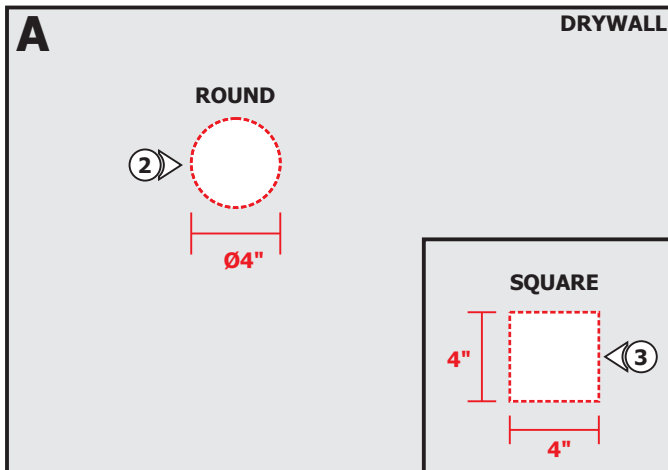
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## Section One: Remodel Driver Non-Insulation Contact

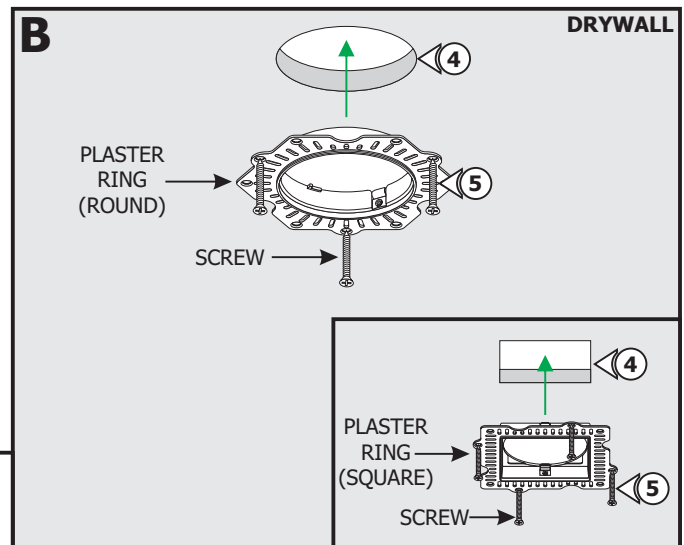


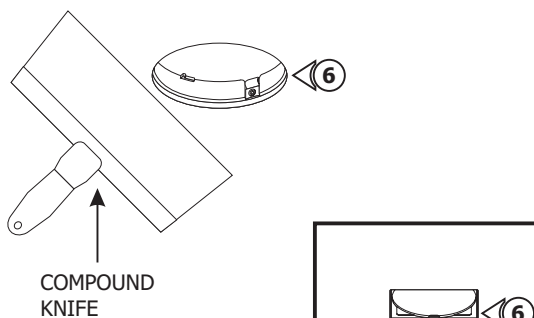
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- 1:** Determine the location of the Luca Downlights. Mark the locations on the ceiling.
- 2: Round:** Use a Ø4" hole saw to cut out a hole on the drywall.
- 3: Square:** Use a fixed jab saw to cut out a 4x4" square on the drywall.

**4:** Insert the plaster ring into the drywall cutout.

**5:** Secure the plaster ring to the drywall using screws.



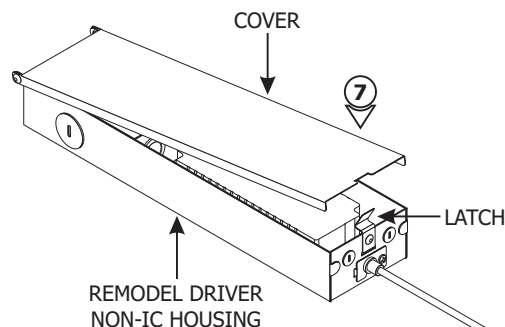
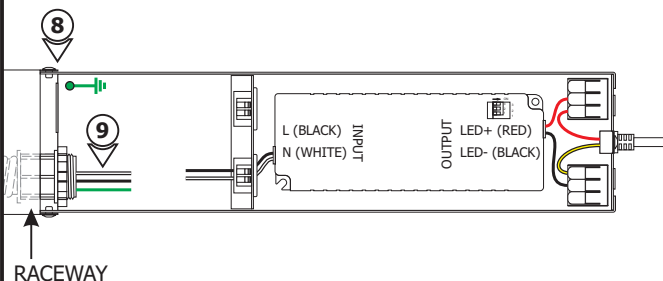
**C****6:** Plaster, sand, clean, and paint the surface.

**NOTE:** For areas with lots of vibration, it is suggested to use Durabond to avoid cracking of plaster.

**NOTE:** Do Not use premixed joint compound "Soft Mud."  
No use compuesto para juntas premezclado "Soft Mud."

**NOTE:** Recommended plaster method: 1st Coat - Durabond 45 with 8" Blade, 2nd Coat - Easy Sand 45 with 10" Blade, 3rd Coat - skim coat with 12" Blade. Clean the opening with alcohol to remove any clumps or debris. Re-sand for a smooth finish.

**7:** Press the latch on the Remodel Driver Non-IC housing to lift off the cover.

**D****E**

**NOTE:** Only to be used with a flexible metal conduit.

**8:** Remove a knockout to install raceway to the Remodel Driver housing. Install raceway(s) (if required by local electrical code).

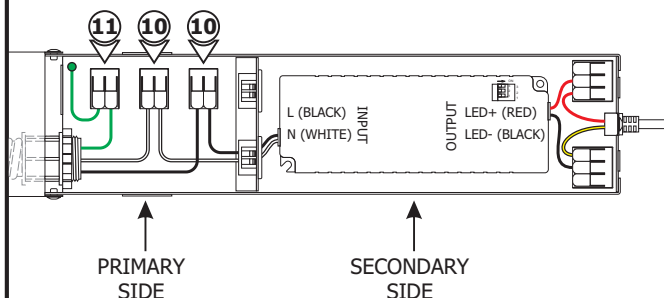
**9:** Run the line power wires to the housing.

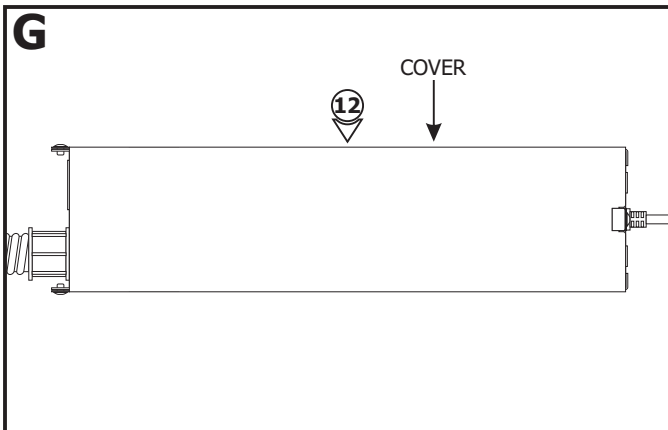
**10:** In the primary side of the housing, connect the white driver wire to the neutral power wire using a wire nut. Connect the black driver wire to the line power wire using a wire nut.

**11:** Make sure the housing is grounded in accordance with local electrical codes.

**NOTE:** For 0-10V Dimming, in the secondary side of the housing connect the purple (DIM+) and pink (DIM-) driver wires to the 0-10V+ and 0-10V- wires from the dimmer respectively. Refer to the wiring diagram on page 10 and the instructions provided with the dimmer.

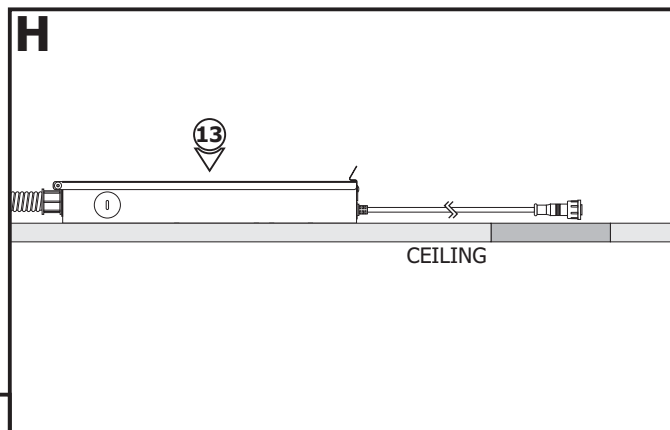
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**F**

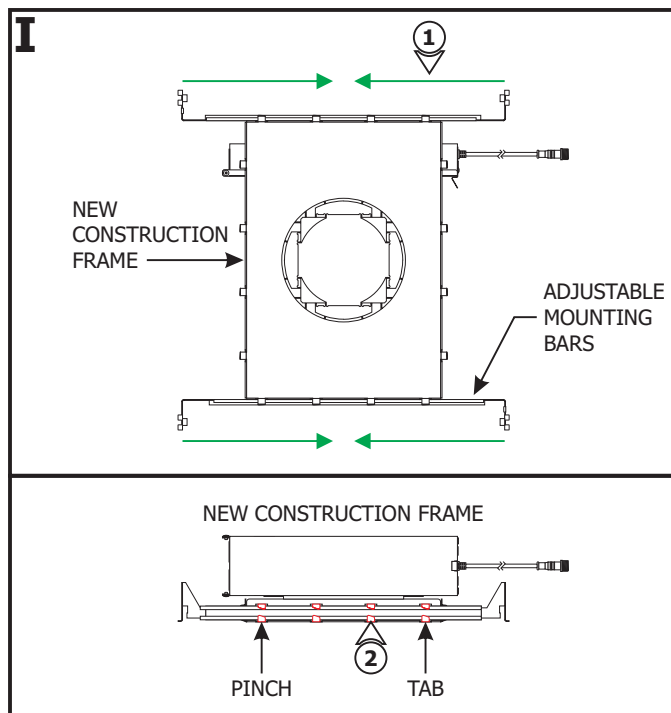


**12:** Place all wire connections inside the junction box and close the cover.

**13:** Place the Remodel Driver housing inside the ceiling.



## Section Two: Install the New Construction Frame Non-Insulation Contact

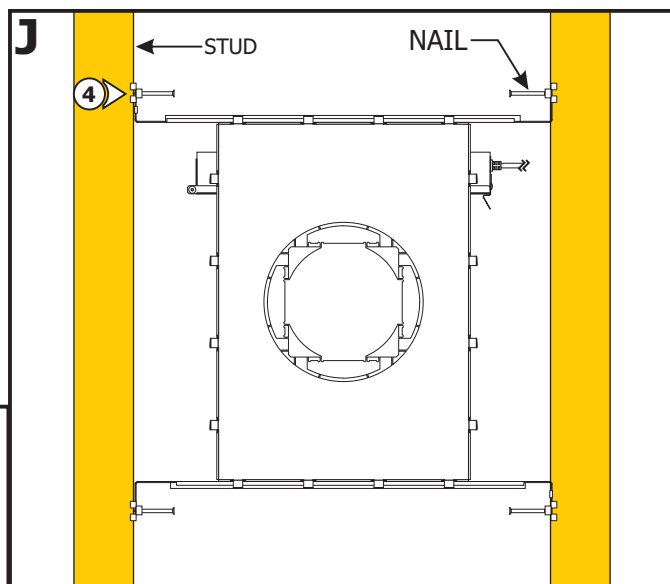


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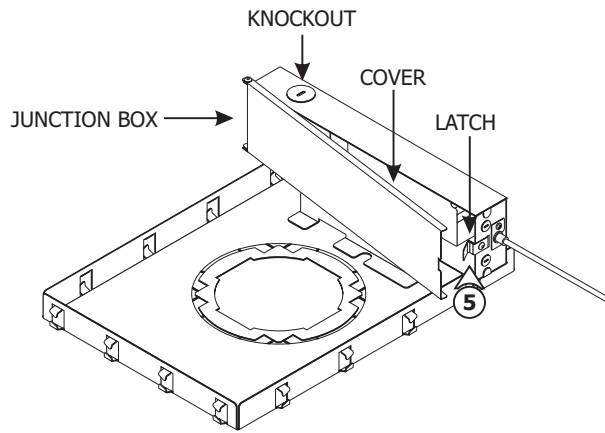
**1:** Slide the adjustable mounting bars through the tabs on the sides of the frame.

**2:** Pinch the tabs to lock in place.



**3:** Select the location between the two studs for the frame to be mounted.

**4:** Place the adjustable mounting bar tabs between the studs. Secure the adjustable bars to the studs with screws or use a hammer to pound the nails.

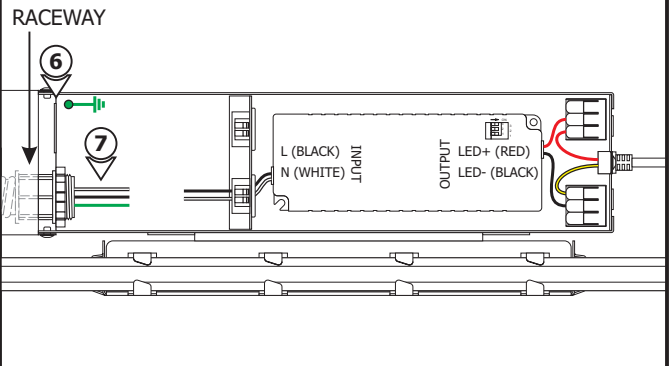
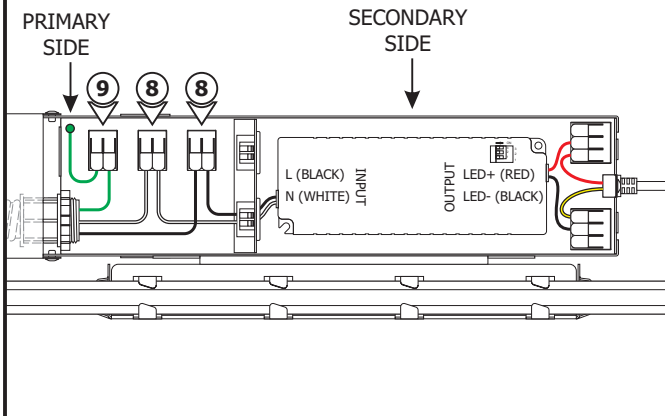
**K**

**5:** Lift the latch on the junction box and lift off the cover.

**NOTE:** Only to be used with a flexible metal conduit.

**6:** Remove a knockout to install raceway to the junction box on the housing. Install raceway(s) (if required by local electrical code).

**7:** Run the line power wires to the junction box on the housing.

**L****M**

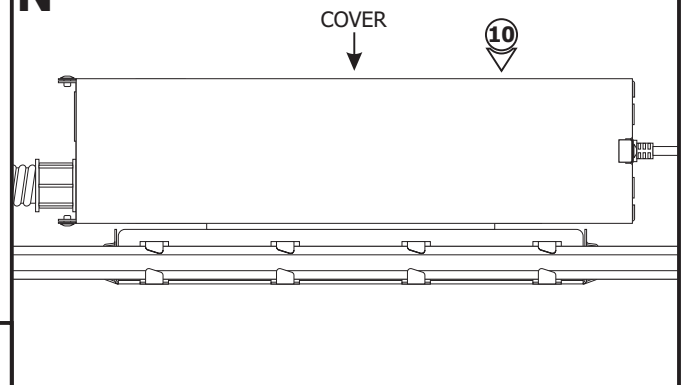
**8:** In the primary side of the junction box, connect the white driver wire to the neutral power wire using a wire nut. Connect the black driver wire to the line power wire using a wire nut.

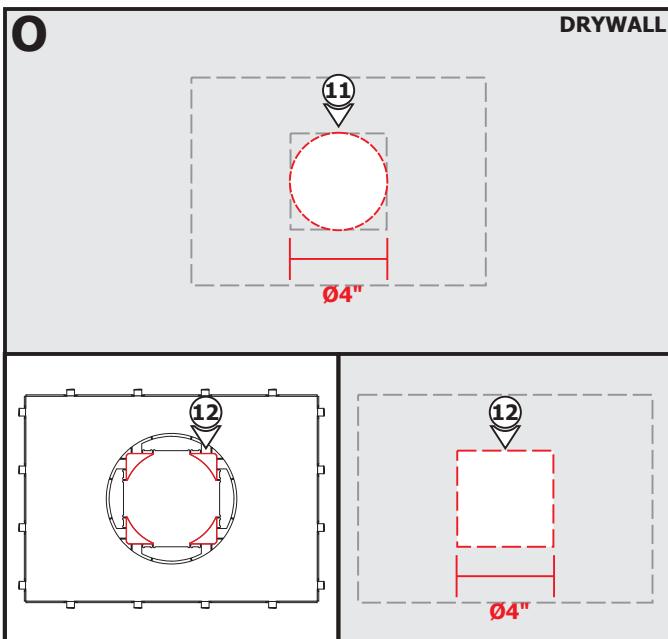
**9:** Make sure the junction box is grounded in accordance with local electrical codes.

**NOTE:** For 0-10V Dimming, in the secondary side of the junction box connect the purple (DIM+) and pink (DIM-) driver wires to the 0-10V+ and 0-10V- wires from the dimmer respectively. Refer to the wiring diagram on page 10 and the instructions provided with the dimmer.

**NOTE:** For DALI, connect the purple (DA1) and pink (DA2) driver wires to the Dali Controls. Refer to the wiring diagram on page 10 and the instructions provided with the Dali controller.

**10:** Place all wire connections inside the junction box and close the cover.

**N**

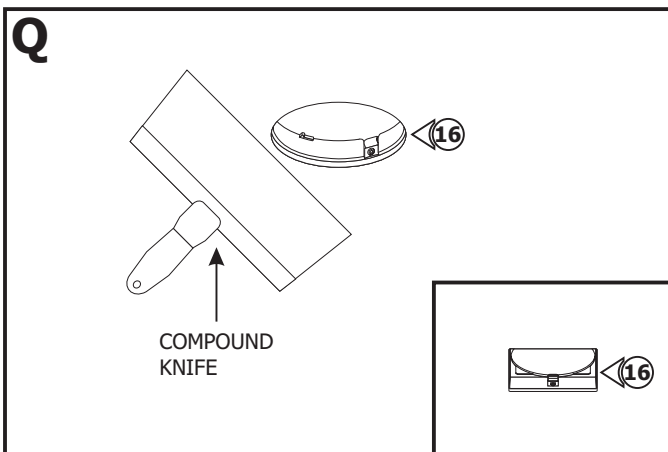
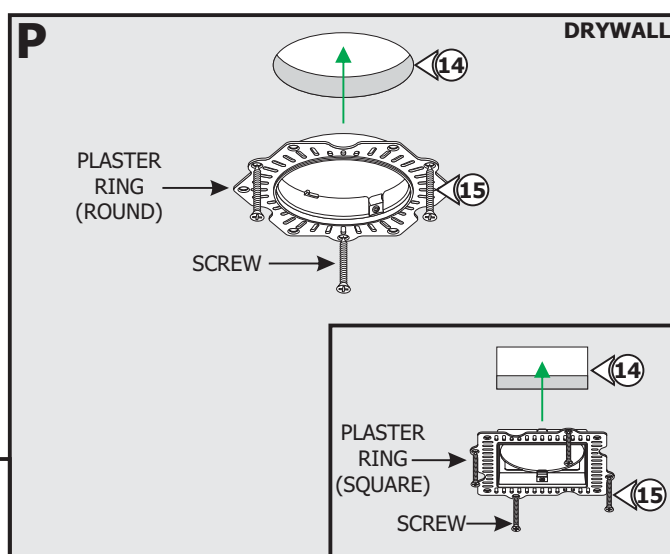


**11: Round:** Use a Ø4" hole saw to cut out the drywall section where the housing opening is located.

**12: Square:** Remove the corner pieces using pliers. Use a fixed jab saw to cut out a 4x4" square on the drywall where the housing opening is located.

**13:** Install the drywall.

- 14:** Insert the plaster ring into the drywall cutout.
- 15:** Secure the plaster ring to the drywall using screws.



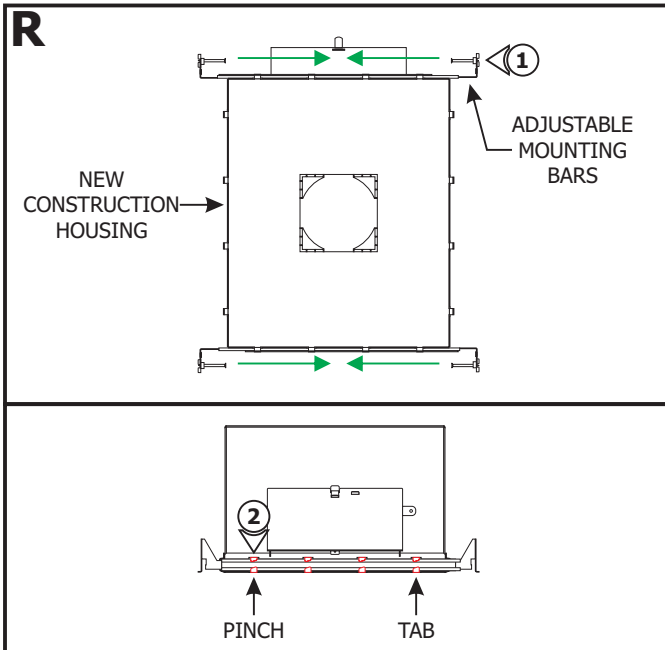
**16:** Plaster, sand, clean, and paint the surface.

**NOTE:** For areas with lots of vibration, it is suggested to use Durabond to avoid cracking of plaster.

**NOTE:** Do Not use premixed joint compound "Soft Mud."  
No use compuesto para juntas premezclado "Soft Mud."

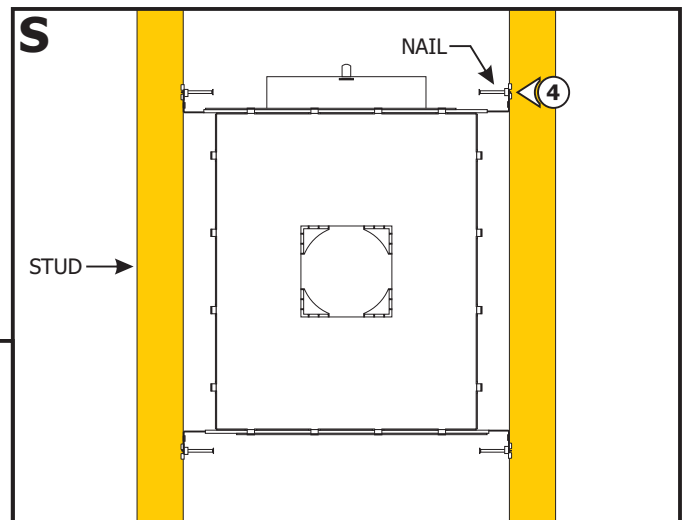
**NOTE:** Recommended plaster method: 1st Coat - Durabond 45 with 8" Blade, 2nd Coat - Easy Sand 45 with 10" Blade, 3rd Coat - skim coat with 12" Blade. Clean the opening with alcohol to remove any clumps or debris. Re-sand for a smooth finish.

## Section Three: Install the New Construction Housing Insulation Contact



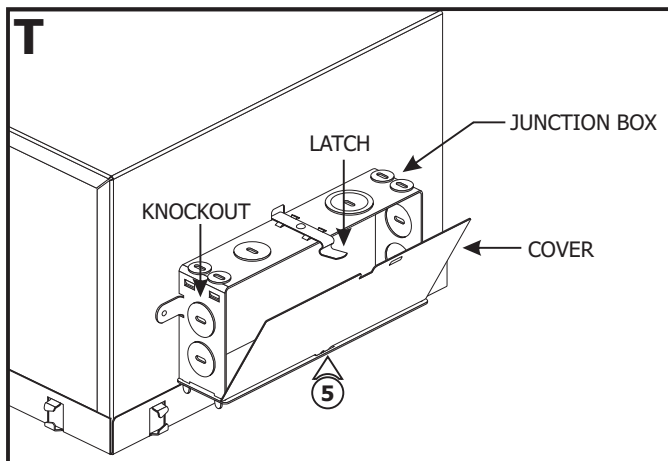
**1:** Slide the adjustable mounting bars through the tabs on the sides of the housing.

**2:** Pinch the tabs to lock in place.



**3:** Select the location between the two studs for the housing to be mounted.

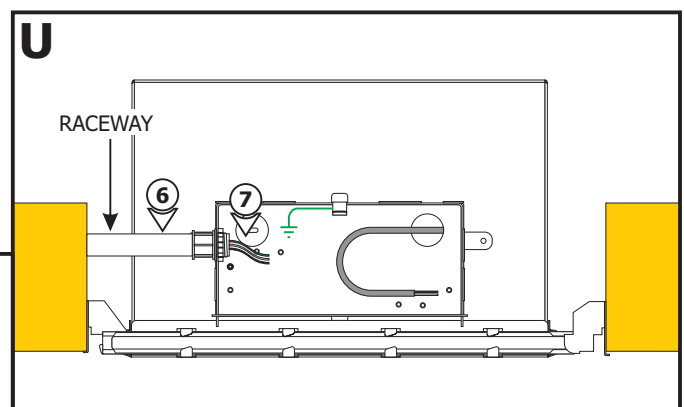
**4:** Place the adjustable mounting bar tabs between the studs. Secure the adjustable bars to the studs with screws or use a hammer to pound the nails.

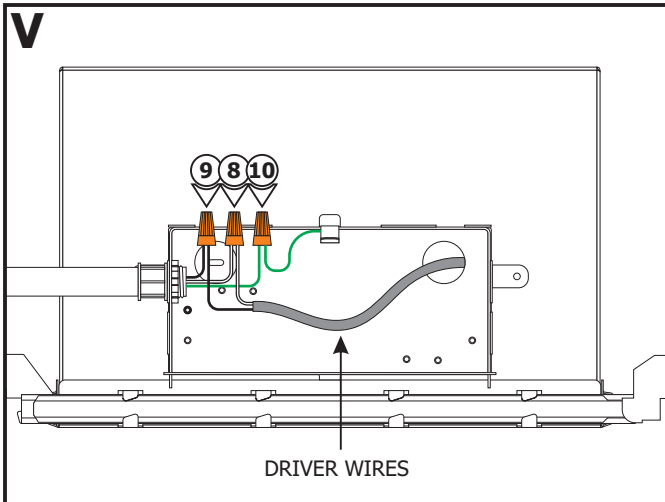


**5:** Lift the latch on the junction box and remove the cover.

**6:** Remove a knockout to install raceway to the junction box on the housing. Install raceway(s) (if required by local electrical code).

**7:** Run the line power wires to the junction box on the housing.





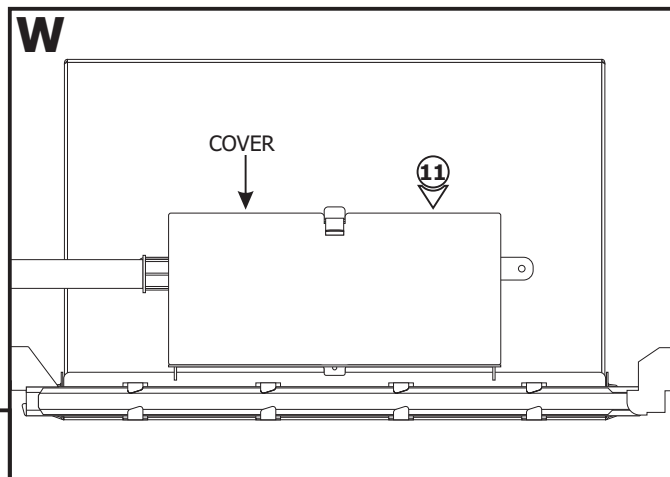
**8:** Connect the white driver wire to the neutral power wire using a wire nut.

**9:** Connect the black driver wire to the line power wire using a wire nut.

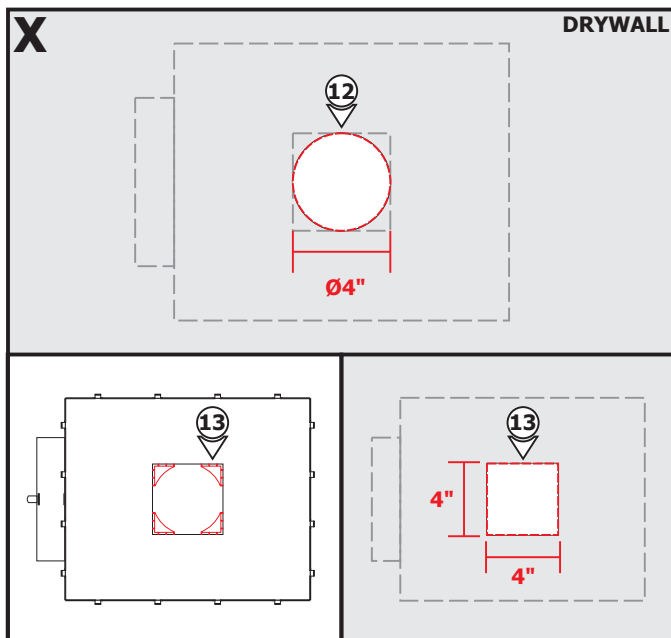
**10:** Make sure the junction box is grounded in accordance with local electrical codes.

**NOTE:** For 0-10V dimming, connect the purple (DIM+) and pink (DIM-) driver wires to the 0-10V+ and 0-10V- wires from the dimmer respectively. Refer to the wiring diagram on page 10 and the instructions provided with the dimmer.

**NOTE:** For DALI, connect the purple (DA1) and pink (DA2) driver wires to the Dali Controls. Refer to the wiring diagram on page 5 and the instructions provided with the Dali controller.



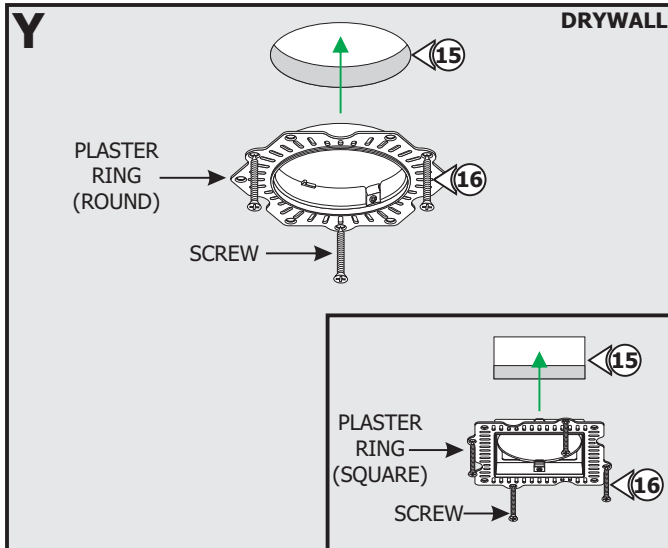
**11:** Place all wire connections inside the junction box and replace the cover.



**12: Round:** Use a Ø4" hole saw to cut out the drywall section where the housing opening is located.

**13: Square:** Remove the corner pieces using pliers. Use a fixed jab saw to cut out a 4x4" square on the drywall where the housing opening is located.

**14:** Install the drywall.



**15:** Insert the plaster ring into the drywall cutout.

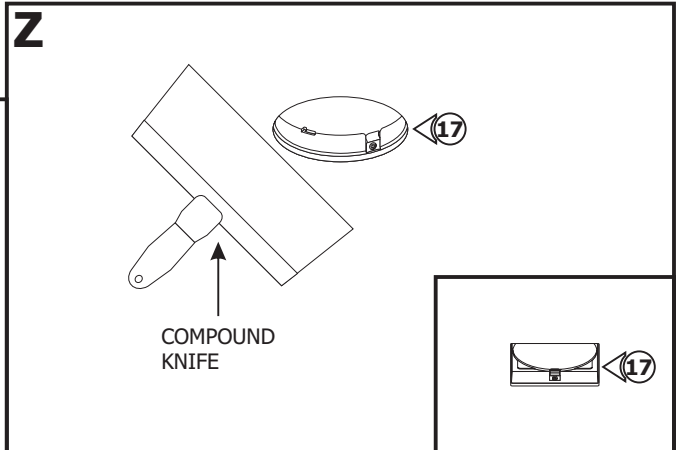
**16:** Secure the plaster ring to the drywall using screws.

**17:** Plaster, sand, clean, and paint the surface.

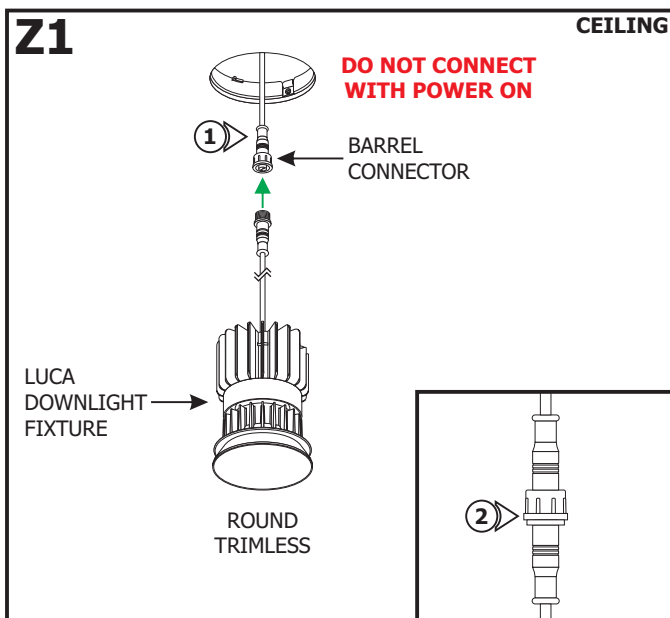
**NOTE:** For areas with lots of vibration, it is suggested to use Durabond to avoid cracking of plaster.

**NOTE:** Do Not use premixed joint compound "Soft Mud."  
No use compuesto para juntas premezclado "Soft Mud."

**NOTE:** Recommended plaster method: 1st Coat - Durabond 45 with 8" Blade, 2nd Coat - Easy Sand 45 with 10" Blade, 3rd Coat - skim coat with 12" Blade. Clean the opening with alcohol to remove any clumps or debris. Re-sand for a smooth finish.



## Section Four: Install the Luca Downlight



**NOTE:** Blinking light of this thermally protected luminaire may indicate overheating.

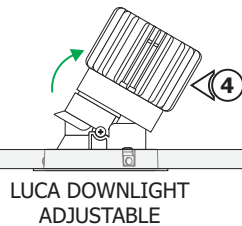
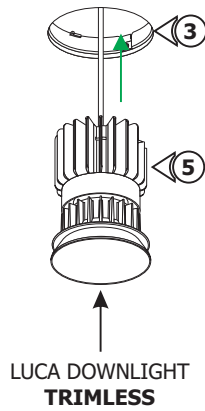
**WARNING:** Ensure that power is turned OFF before connecting the fixture to the driver. DO NOT CONNECT WITH POWER ON OR MAY RESULT IN FIXTURE DAMAGE.

**1:** Reach inside the housing and carefully pull out the barrel connector from the driver. Align and push the barrel connector from the Luca Downlight into the barrel connector from the driver.

**2:** Twist the connector nut to lock in place.



# Z2



**3:** Place the barrel connectors inside the housing.

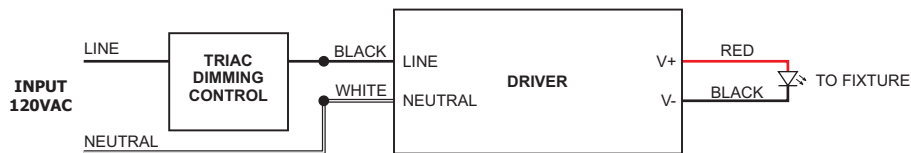
**4:** For the Adjustable Downlights, ensure the downlights are in the desired position before placing them inside the housing. The Adjustable Downlight tilts up to 30 degrees.

**5:** Push the Luca Downlight inside the housing until it locks into place.

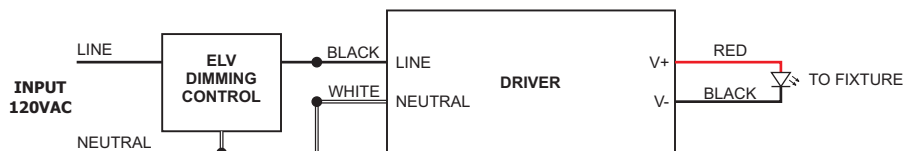
**6:** To remove the fixture, use fingers to carefully pull the fixture out of the housing. Push the fixture back inside until it snaps in place.

## General Wiring Diagrams

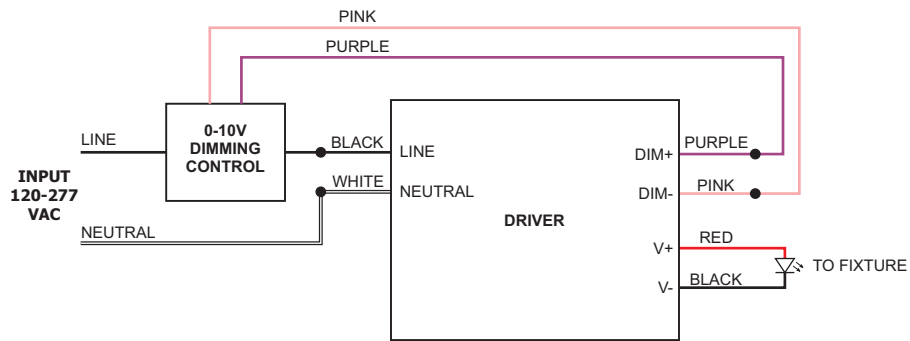
### TRIAC



### ELV



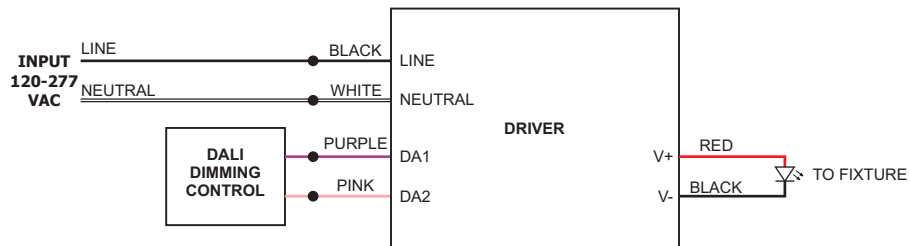
## 0-10V



### NOTE:

Cap off unused wires individually.  
DO NOT cap together.

## DALI



### NOTE:

Cap off unused wires individually.  
DO NOT cap together.