

# **IMPORTANT INSTALLATION NOTES:**

- FIXTURE TO BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES BY A QUALIFIED ELECTRICIAN OR OTHER PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THIS PRODUCT AND THE HAZARDS INVOLVED.
- BEFORE BEGINNING ANY ELECTRICAL WORK, ENSURE THAT POWER IS TURNED OFF.
- FOLLOW THE STEPS AS SHOWN BELOW FOR INSTALLATION.
- AFTER FINISHING EVERY STEP, TIGHTEN THE SCREWS, HAVE THE FIXTURE FIXED, THEN CONNECT THE POWER SUPPLY.
- UNDER NO CIRCUMSTANCES SHOULD THE LUMINAIRE BE COVERED BY THERMAL INSULATION PADS AND SIMILAR MATERIALS.
- USE ONLY WITH CLASS 2 POWER UNIT.
- WARNING - RISK OF FIRE. DO NOT INSTALL INSULATION WITHIN 3 IN OF UNIT SIDES OR ABOVE UNIT IN SUCH A MANNER TO ENTRAP HEAT
- NOTICE - THERMALLY PROTECTED. BLINKING LIGHT MAY INDICATE INSULATION TOO CLOSE TO UNIT (OR OTHER CONDITION CAUSING OVERHEATING)



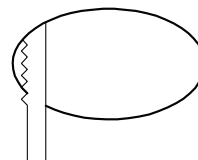
|  |       |        |  |
|--|-------|--------|--|
| Project: CONSTITUTION MINI 1.5 MULTIPLES |       |        |  |
| SINGLE ROUND/SQUARE FLANGED TRIM         |       |        |  |
| Distributor:                             |       | Type:  |  |
| By:                                      | Date: | Scale: |  |
| Dwg. no.:                                | Rev.  | Size:  |  |



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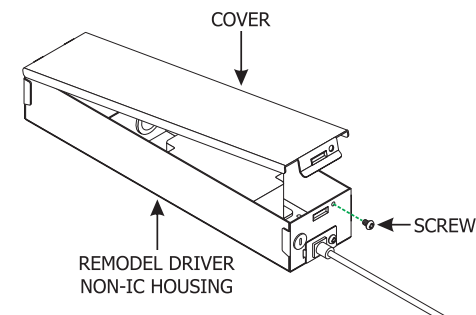
## **REMODEL/REMOTE IC ENCLOSED DRIVER**



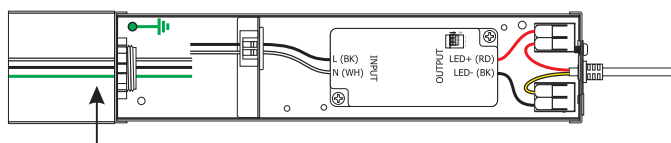
Step 1:  
Determine the location of the Constellation Mini 1.5 Multiples.  
Make holes on the ceiling to match the size of the Constellation Mini 1.5 Multiples.

Round cut out:  $\varnothing 2 \frac{4}{32}$ "

Square cut out:  $2 \frac{13}{32}$ " x  $2 \frac{13}{32}$ "



Step 2:  
Remove the screw on the housing using a Phillips screwdriver and lift the cover on the Remodel Driver Non-IC housing.

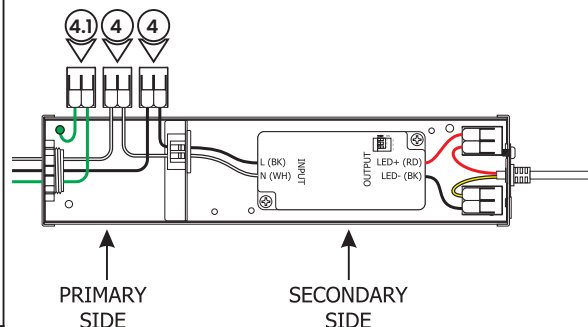


Step 3:  
Run the line power wires to the housing.

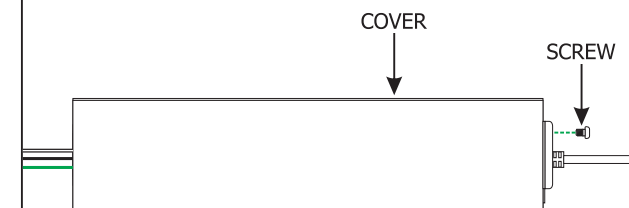
**NOTE:** Only to be used with a flexible metal conduit.

**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 5 and the instructions provided with the dimmer.

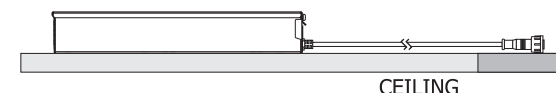
**NOTE:** For DALI, connect the purple (DA1) and pink (DA2) driver wires to the Dali Controls. Refer to the wiring diagram on page 5 and the instructions provided with the Dali controller.



Step 4:  
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.  
Step 4.1:  
Make sure the housing is grounded in accordance with local electrical codes.

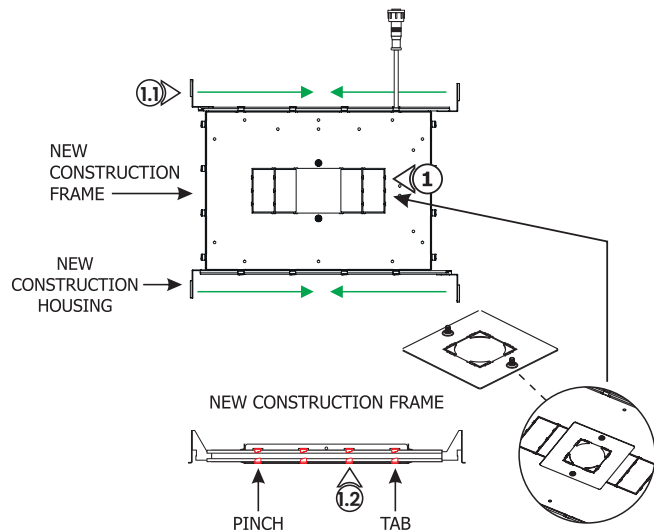


Step 5:  
Place all wire connections inside the housing. Close the cover and tighten the screw.



Step 6:  
Place the Remodel Driver housing inside the ceiling.

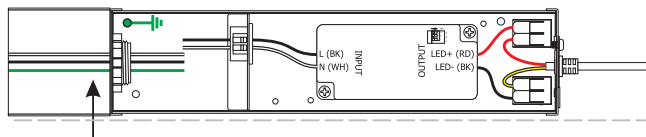
## INSTALL THE NEW CONSTRUCTION FRAME NON-IC



- Step 1:  
Attach the cutout accessory with screws (for round fixture only).  
Step 1.1:  
Slide the adjustable mounting bars through the tabs on the sides of the housing.  
Step 1.2:  
Pinch the tabs to lock in place.

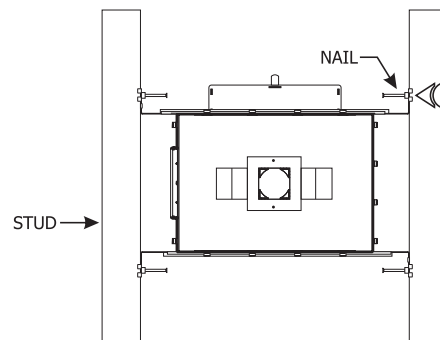
**NOTE:** Do not install insulation within 76mm (3in) of any part of the luminaire.

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

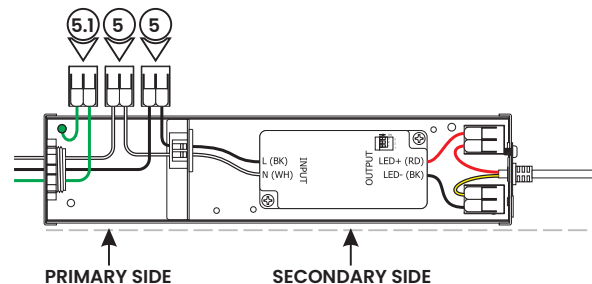


- Step 4:  
Run the line power wires to the housing.

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



- Step 2:  
Select the location between the two studs for the frame to be mounted.  
Step 2.1:  
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.



- Step 5:  
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.  
Step 5.1:  
Make sure the housing 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 5 and the instructions provided with the dimmer.

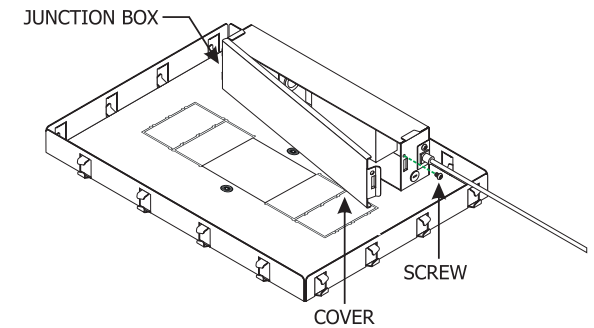
**NOTE:** For DALI, connect the purple (DA1) and pink (DA2) driver wires to the Dali Controls. Refer to the wiring diagram on page 5 and the instructions provided with the Dali controller.

|   |  |        |  |
|---|--|--------|--|
| Project:<br><b>CONSTELLATION MINI 1.5 MULTIPLES</b> |  |        |  |
| Distributor:  |  |        |  |
| By:   |  | Date:  |  |
| Dwg. no.:   |  | Rev.   |  |
| Type:   |  | Scale: |  |
| Size:   |  | Size:  |  |

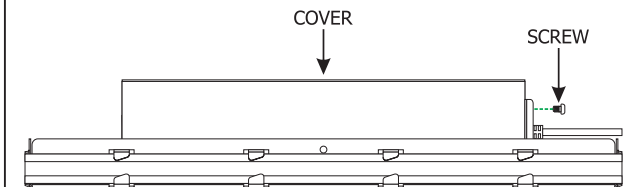


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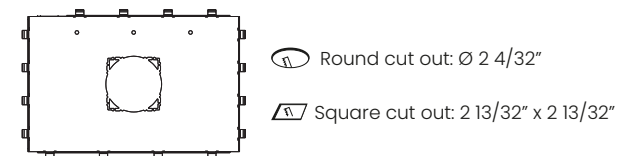


- Step 3:  
Remove the screw on the junction box using a Phillips screwdriver and lift up the cover.



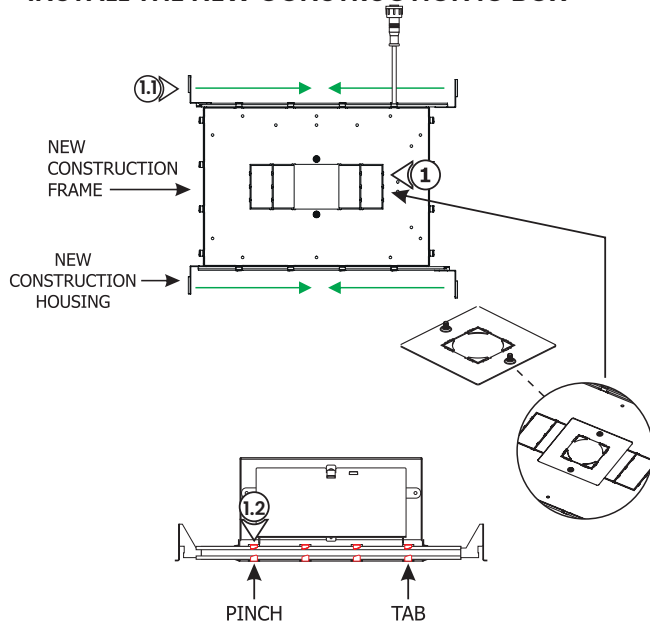
- Step 6:  
Place all wire connections inside the junction box. Close the cover and tighten the screw.

- Step 7:  
Make holes on the ceiling to match the size of the Constellation Mini 1.5 Multiples.  
For square, first remove the corner pieces using pliers.

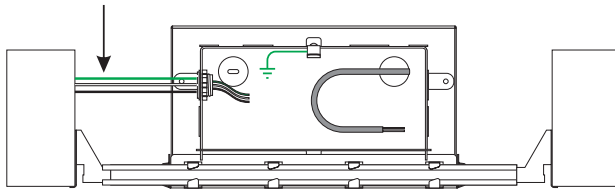


- Step 7.1:  
Install the drywall. If necessary, plaster and finish the drywall.

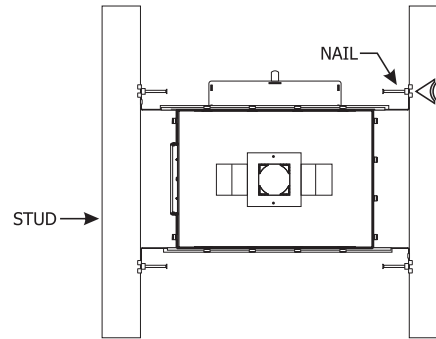
## INSTALL THE NEW CONSTRUCTION IC BOX



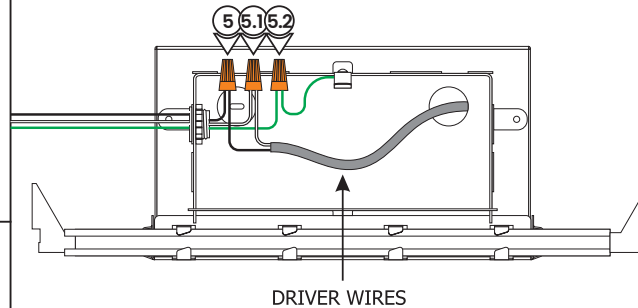
Step 1:  
Attach the cutout accessory with screws (for round fixture only).  
Step 1.1:  
Slide the adjustable mounting bars through the tabs on the sides of the housing.  
Step 1.2:  
Pinch the tabs to lock in place.



Step 4:  
Run the line power wires to the junction box on the housing.



Step 2:  
Select the location between the two studs for the housing to be mounted.  
Step 2.1:  
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.



Step 5:  
Connect the white driver wire to the neutral power wire using a wire nut.  
Step 5.1:  
Connect the black driver wire to the line power wire using a wire nut.  
Step 5.2:  
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 5 and the instructions provided with the dimmer.

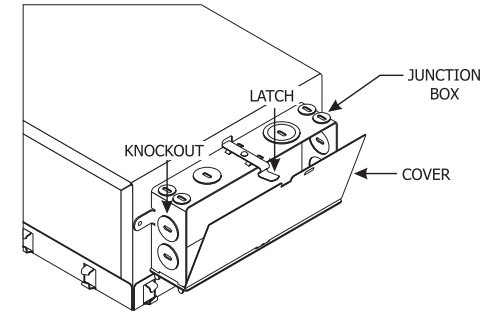
**NOTE:** For DALI, connect the purple (DA1) and pink (DA2) driver wires to the Dali Controls. Refer to the wiring diagram on page 5 and the instructions provided with the Dali controller.

|   |       |        |       |
|---|-------|--------|-------|
| Project:<br><b>CONSTELLATION MINI 1.5 MULTIPLES</b> |       |        |       |
| SINGLE ROUND/SQUARE FLANGED TRIM                    |       |        |       |
| Distributor:  |       | Type:  |       |
| By:   | Date: | Scale: |       |
| Dwg. no.:   |       | Rev.   | Size: |

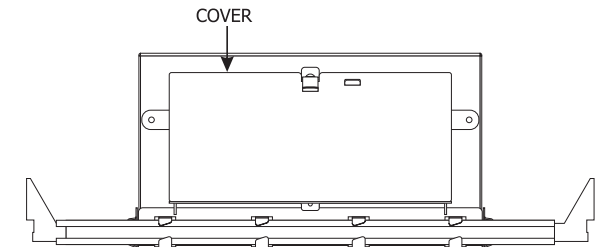


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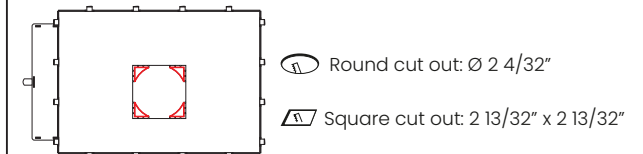


Step 3:  
Lift the latch on the junction box and remove the cover.



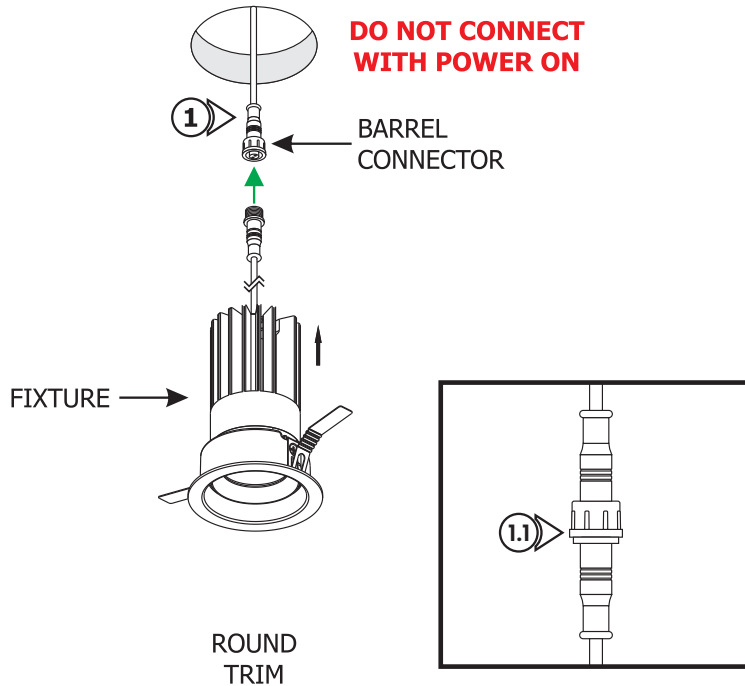
Step 6:  
Place all wire connections inside the junction box and replace the cover.

Step 7:  
Cut the drywall section where the housing opening is located. For square, first remove the corner pieces using pliers.



Step 7.1:  
Install the drywall. If necessary, plaster and finish the drywall.

## INSTALL THE CONSTELLATION MINI 1.5 MULTIPLES SINGLE



Step 1:  
Reach inside the opening and carefully pull out the barrel connector from the driver. Align and push the barrel connector from the Constellation Mini 1.5 Multiples into the barrel connector from the driver.

Step 1.1:  
Twist the connector nut to lock in place.

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

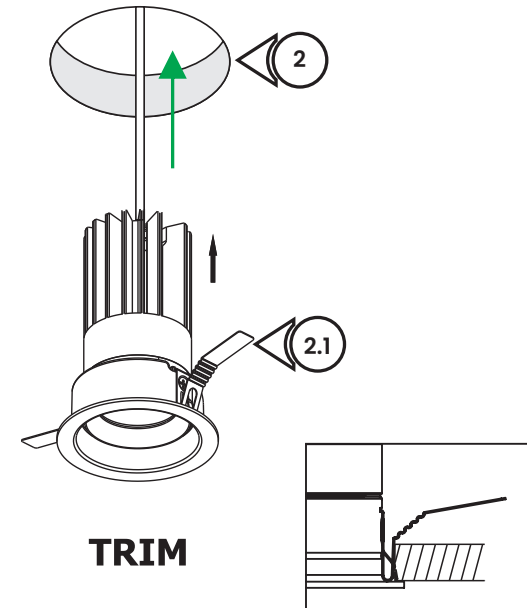
**WARNING:** Ensure that power is turned OFF before connecting the fixture to the driver. DO NOT CONNECT WITH POWER ON OR MAY RESULT IN FIXTURE DAMAGE.

|  |       |        |  |
|--|-------|--------|--|
| Project:<br><b>CONSTELLATION MINI 1.5 MULTIPLES SINGLE ROUND/SQUARE FLANGED TRIM</b> |       |        |  |
| Distributor:   |       | Type:  |  |
| By:  | Date: | Scale: |  |
| Dwg. no.:  | Rev.  | Size:  |  |



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Step 2:  
Place the barrel connectors inside the opening. Ensure the downlight is in the desired position before placing them inside the opening. The Constellation Mini 1.5 Multiples tilts up to 30°.

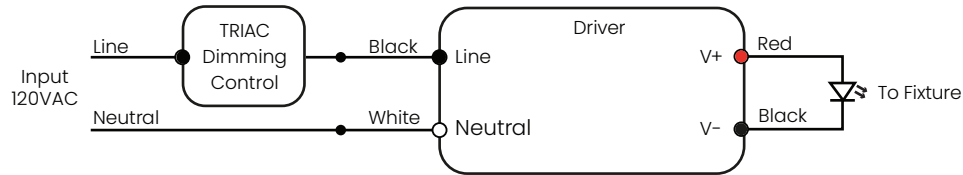
Step 2.1:  
Lift the spring clips and push the Constellation Mini 1.5 inside the opening until it locks into place.

Step 2.2:  
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.

## DIMMING WIRING DIAGRAM

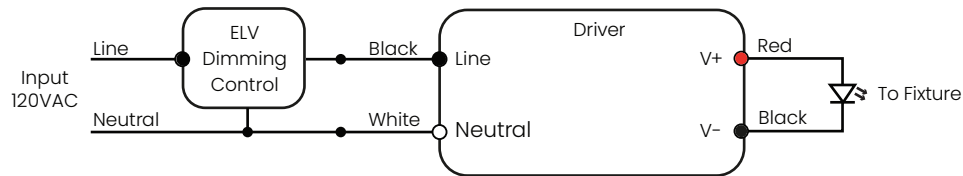
### TRIAC / FORWARD PHASE / LEADING EDGE DIMMING (TRI)

Input 120VAC 50/60Hz. Range 3%-100%



### ELV / REVERSE PHASE / TRAILING EDGE DIMMING (TRI)

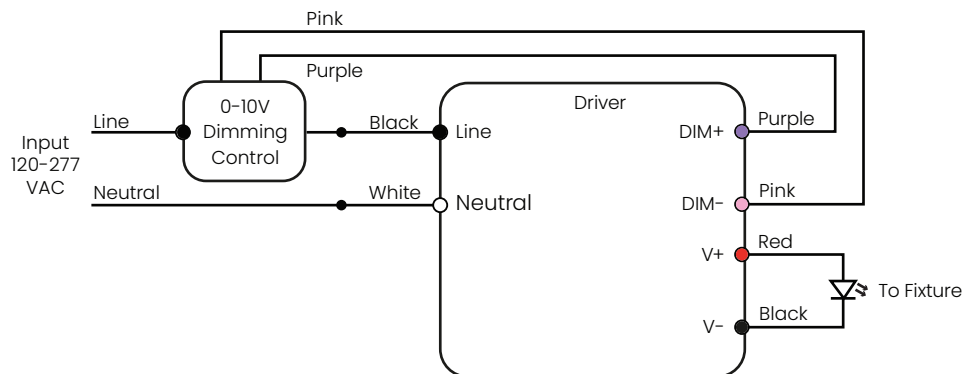
Input 120VAC 50/60Hz. Range 3%-100%



### 0-10V DIMMING (010)

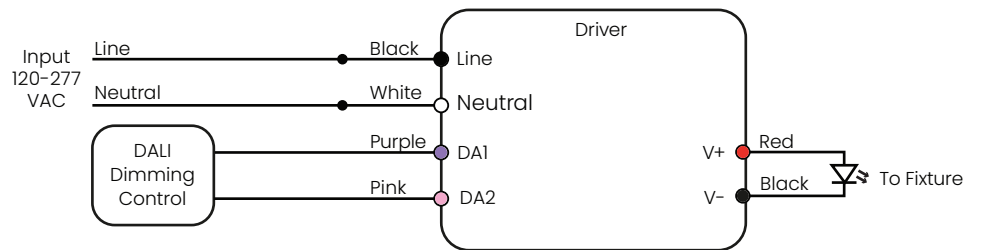
Input 120VAC-277VAC 50/60Hz. Range 0.1%-100% dim to off

**NOTE:** Cap off unused wires individually. DO NOT cap together.



### DALI

Input 120VAC-277VAC 50/60Hz.



|  |       |        |
|--|-------|--------|
| Project:<br>CONSTELLATION MINI 1.5 MULTIPLES<br>SINGLE ROUND/SQUARE FLANGED TRIM |       |        |
| Distributor:   | Type: |        |
| By:  | Date: | Scale: |
| Dwg. no.:  | Rev.  | Size:  |



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