Round or Square Element 4″ Pro Series Housing

E4P_D_ | **1.1**

TECH LIGHTING®
ELEMENT

GENERAL PRODUCT INFORMATION:

ᶜ(ETL)ᵁˢ
LISTED
Intertek

This product is suitable for indoor locations.

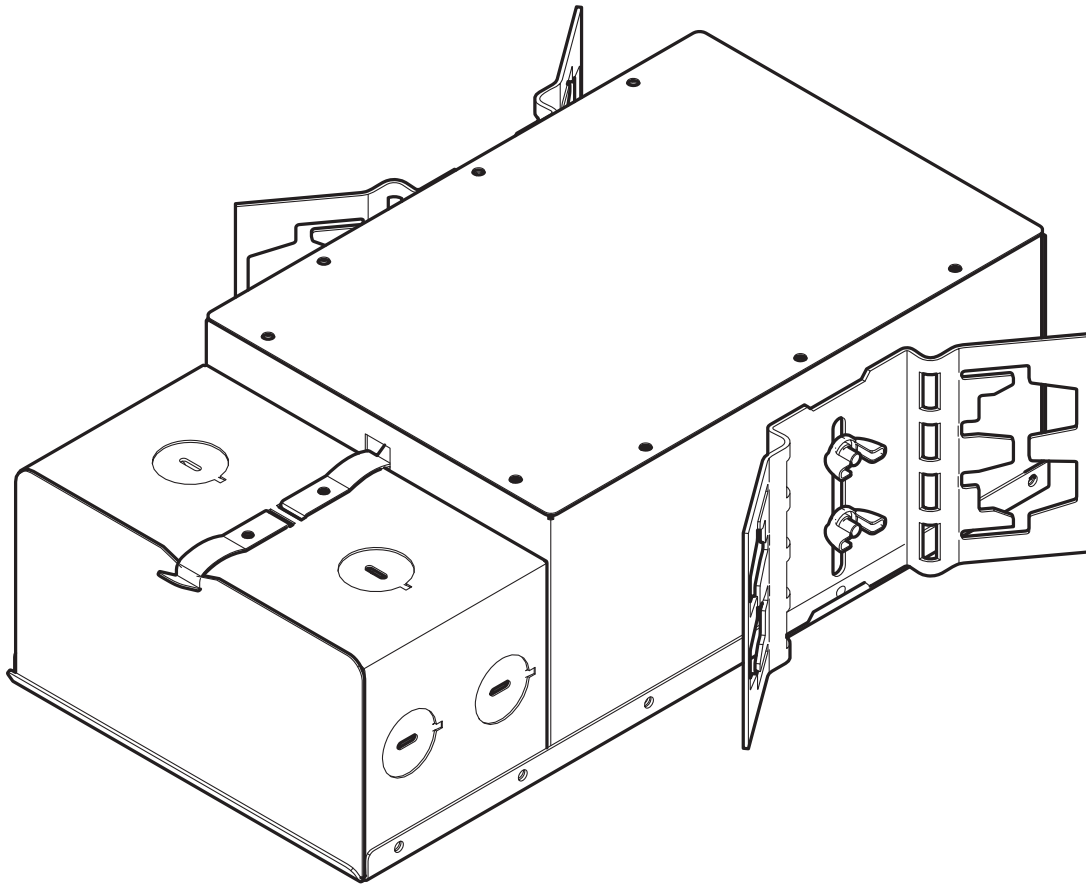This product can be dimmed with a standard electronic dimmer.

This instruction shows a typical installation.
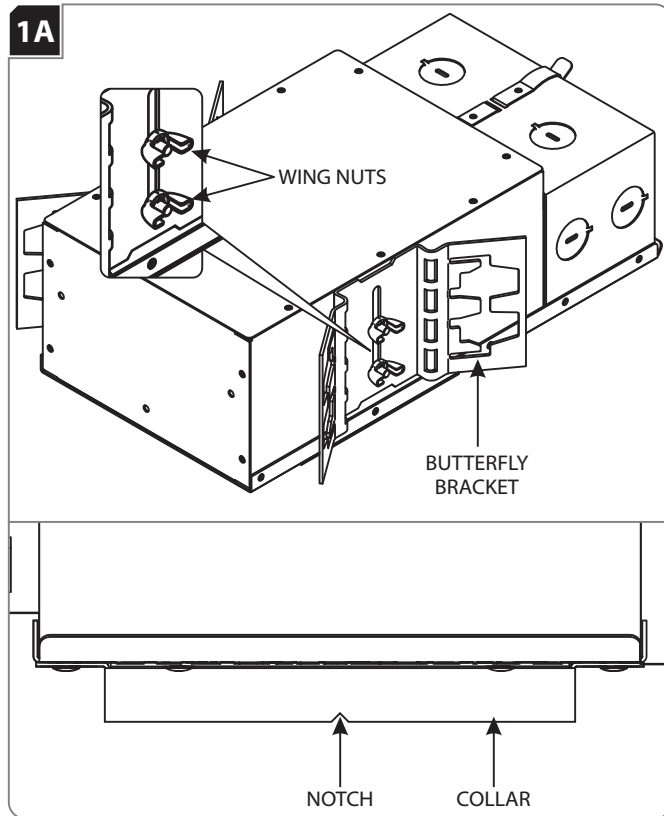
CAUTION - RISK OF FIRE
This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
Use minimum 90°C supply conductors.

TECH LIGHTING®

VISUAL COMFORT & CO.

Install the Housing with Butterfly Brackets

1A

WING NUTS

BUTTERFLY BRACKET

NOTCH   COLLAR

1 ▸ Slightly loosen the wing nuts located on the side of the housing to slide the butterfly bracket up or down.

2 ▸ After achieving the proper location, tighten the wing nuts to secure the butterfly bracket in place.

3 ▸ Repeat steps 1 and 2 on for the other butterfly bracket.

4 ▸ Utilize the butterfly brackets to install the housing in accordance with local electrical codes.

NOTE: Notches in the collar can be used to align multiple housings using a laser or string.

Connect Power to the Housing

2A

ELECTRICAL BOX COVER

TAB
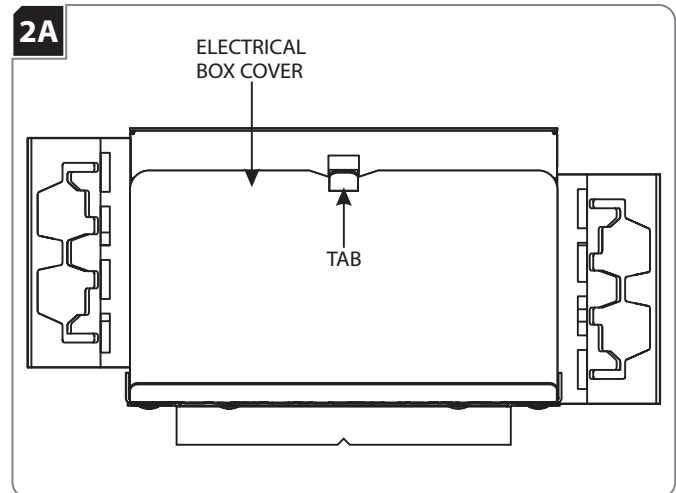
1 ▸ Push the tab on the housing electrical box up and remove the electrical box cover.
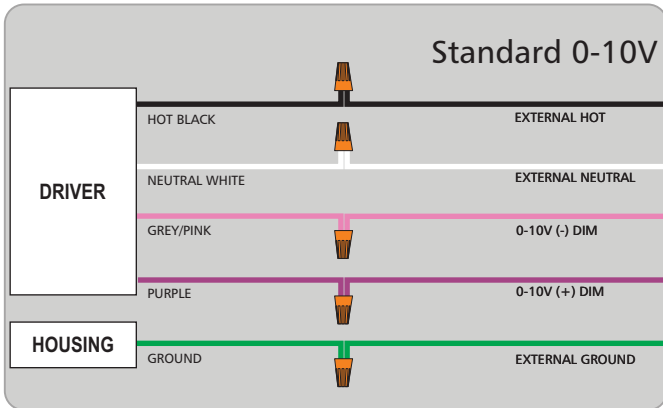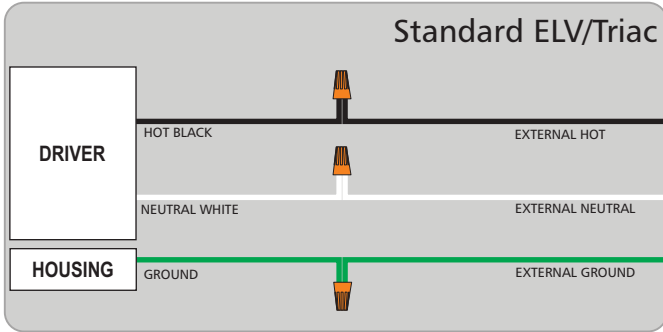
2B
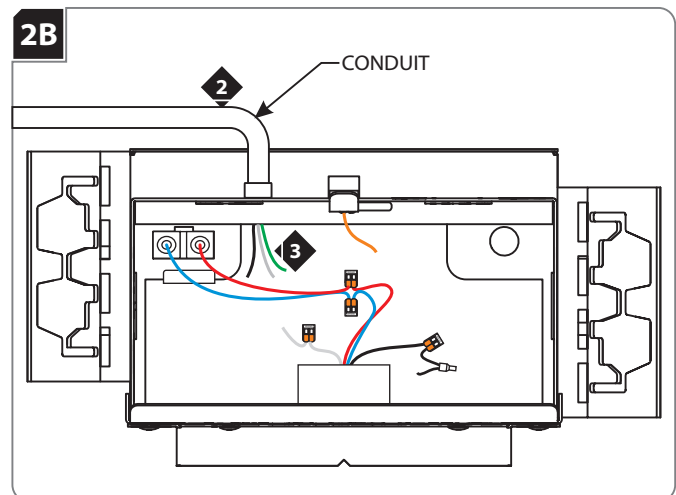
CONDUIT

2 ▸ Install the conduit to the housing electrical box.

3 ▸ Run the power line wires into the housing electrical box.

4 ▸ Use the appropriate wiring diagram on the following page to wire your fixture accordingly.

NOTE: When a fixture is installed in a location that requires servicing from below the ceiling through the fixture aperture, the branch circuit connections need to be able to be brought out through the aperture. To accomplish this, an NM type cable in conjunction with snap-in/push-in connectors must be used and a 12" service loop must be left available outside of the fixture housing wiring compartment to allow additional branch circuit wiring to be pulled through the snap-in/push-in connector and extended out through the aperture below ceiling level.
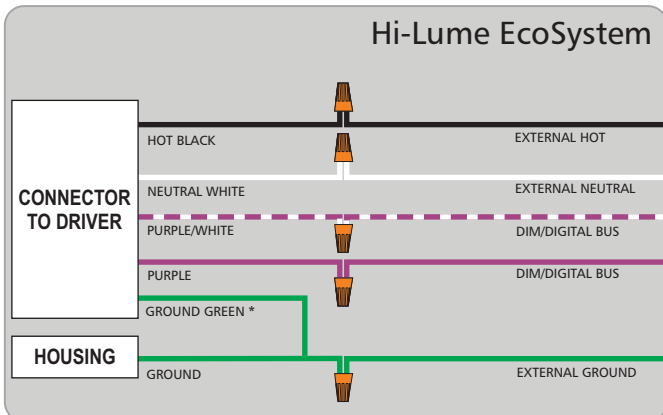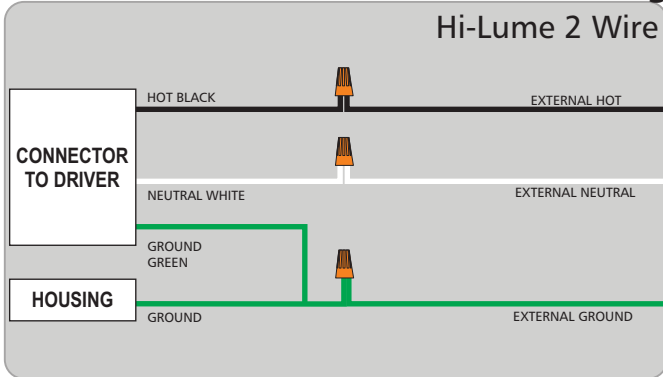
WARNING: RISK OF FIRE: When using the housing electrical box for power feed through, use **MAX** 4 - #12 AWG, or 6 - #14 AWG branch circuit wires.

IC LABELED FIXTURE WIRING
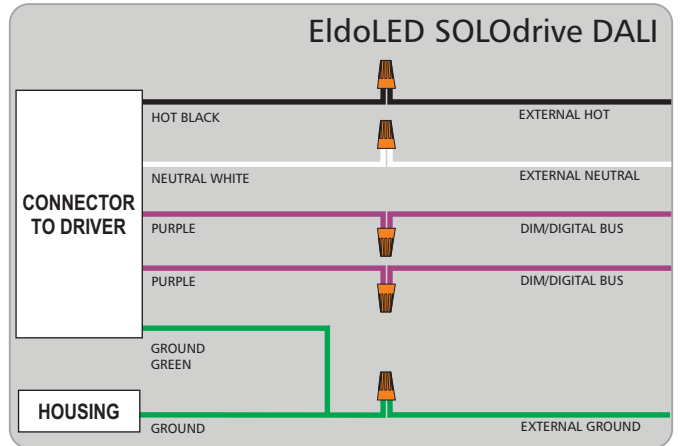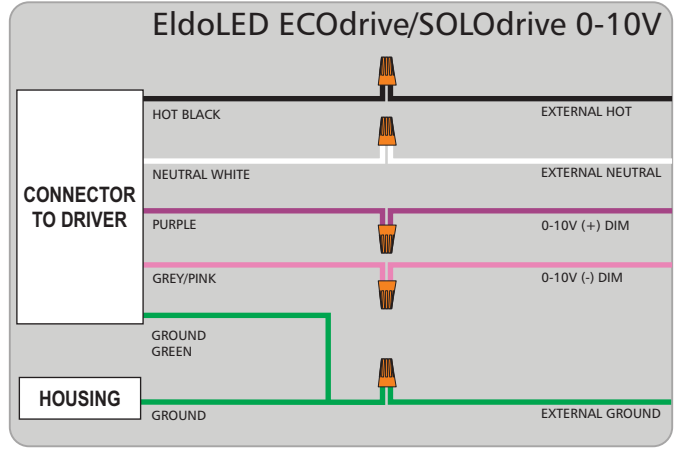
Standard Driver Wiring

Standard ELV/Triac

DRIVER		
HOT BLACK		EXTERNAL HOT
NEUTRAL WHITE		EXTERNAL NEUTRAL
HOUSING		
GROUND		EXTERNAL GROUND

Standard 0-10V

DRIVER		
HOT BLACK		EXTERNAL HOT
NEUTRAL WHITE		EXTERNAL NEUTRAL
GREY/PINK		0-10V (-) DIM
PURPLE		0-10V (+) DIM
HOUSING		
GROUND		EXTERNAL GROUND

Hi-Lume Driver Wiring

Hi-Lume 2 Wire

CONNECTOR TO DRIVER		
HOT BLACK		EXTERNAL HOT
NEUTRAL WHITE		EXTERNAL NEUTRAL
GROUND GREEN		
HOUSING		
GROUND		EXTERNAL GROUND

Hi-Lume EcoSystem

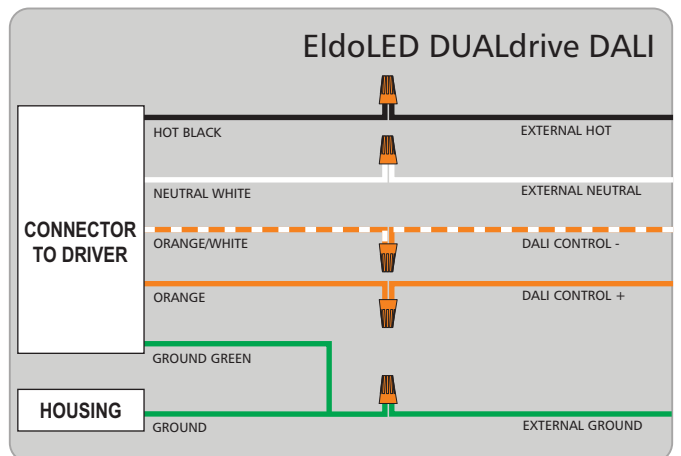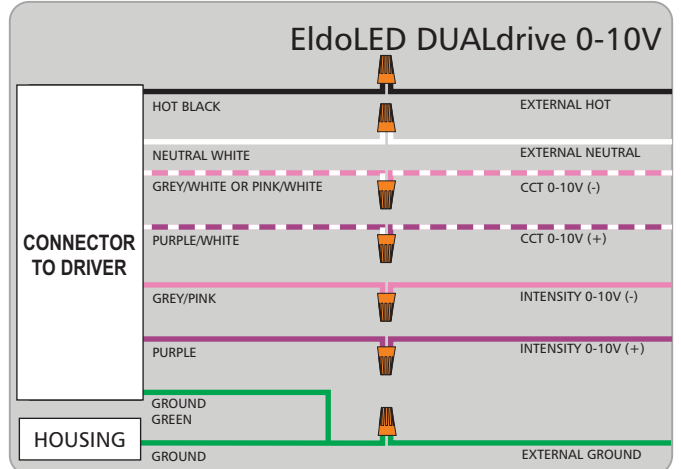| CONNECTOR TO DRIVER		
HOT BLACK		EXTERNAL HOT
NEUTRAL WHITE		EXTERNAL NEUTRAL
PURPLE/WHITE		DIM/DIGITAL BUS
PURPLE		DIM/DIGITAL BUS
GROUND GREEN *		
HOUSING		
GROUND		EXTERNAL GROUND

* If green/ground connection is available, wire to ground.

EldoLED Driver Wiring

EldoLED ECOdrive/SOLOdrive 0-10V

CONNECTOR TO DRIVER		
HOT BLACK		EXTERNAL HOT
NEUTRAL WHITE		EXTERNAL NEUTRAL
PURPLE		0-10V (+) DIM
GREY/PINK		0-10V (-) DIM
GROUND GREEN		
HOUSING		
GROUND		EXTERNAL GROUND

EldoLED SOLOdrive DALI

CONNECTOR TO DRIVER		
HOT BLACK		EXTERNAL HOT
NEUTRAL WHITE		EXTERNAL NEUTRAL
PURPLE		DIM/DIGITAL BUS
PURPLE		DIM/DIGITAL BUS
GROUND GREEN		
HOUSING		
GROUND		EXTERNAL GROUND

EldoLED Tunable White Wiring

EldoLED DUALdrive 0-10V

CONNECTOR TO DRIVER		
HOT BLACK		EXTERNAL HOT
NEUTRAL WHITE		EXTERNAL NEUTRAL
GREY/WHITE OR PINK/WHITE		CCT 0-10V (-)
PURPLE/WHITE		CCT 0-10V (+)
GREY/PINK		INTENSITY 0-10V (-)
PURPLE		INTENSITY 0-10V (+)
GROUND GREEN		
HOUSING		
GROUND		EXTERNAL GROUND

EldoLED DUALdrive DALI

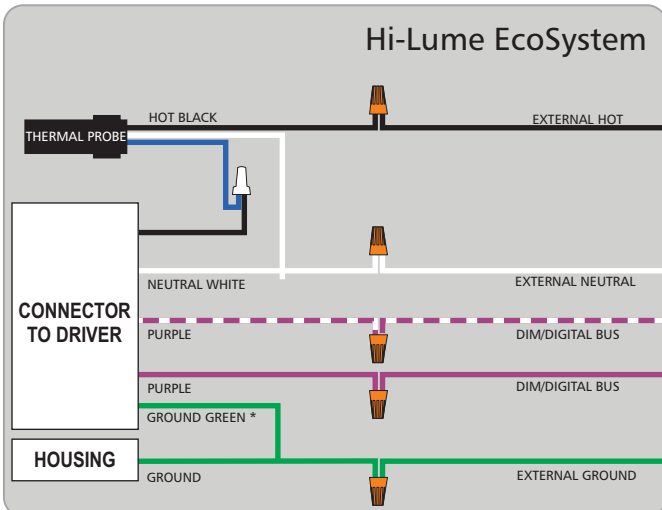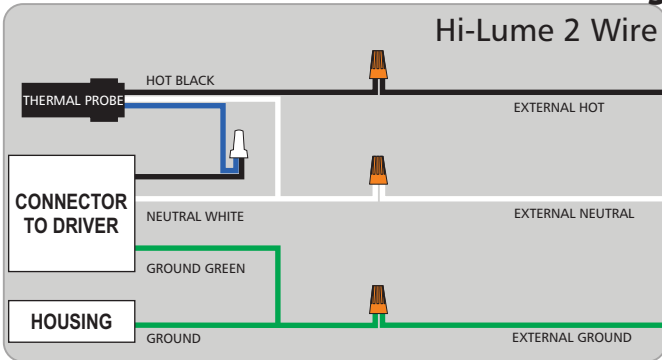| CONNECTOR TO DRIVER		
HOT BLACK		EXTERNAL HOT
NEUTRAL WHITE		EXTERNAL NEUTRAL
ORANGE/WHITE		DALI CONTROL -
ORANGE		DALI CONTROL +
GROUND GREEN		
HOUSING		
GROUND		EXTERNAL GROUND

NON-IC LABELED FIXTURE WIRING

Standard Driver Wiring

Standard ELV/Triac

THERMAL PROBE
HOT BLACK
EXTERNAL HOT
HOT BLACK
DRIVER
NEUTRAL WHITE — EXTERNAL NEUTRAL
HOUSING
GROUND — EXTERNAL GROUND

Standard 0-10V

THERMAL PROBE
HOT BLACK
EXTERNAL HOT
DRIVER
NEUTRAL WHITE — EXTERNAL NEUTRAL
GREY/PINK — 0-10V (-) DIM
PURPLE — 0-10V (+) DIM
HOUSING
GROUND — EXTERNAL GROUND

Hi-Lume Driver Wiring

Hi-Lume 2 Wire

THERMAL PROBE
HOT BLACK
EXTERNAL HOT
CONNECTOR TO DRIVER
NEUTRAL WHITE — EXTERNAL NEUTRAL
GROUND GREEN
HOUSING
GROUND — EXTERNAL GROUND

Hi-Lume EcoSystem

THERMAL PROBE
HOT BLACK
EXTERNAL HOT
CONNECTOR TO DRIVER
NEUTRAL WHITE — EXTERNAL NEUTRAL
PURPLE — DIM/DIGITAL BUS
PURPLE — DIM/DIGITAL BUS
GROUND GREEN *
HOUSING
GROUND — EXTERNAL GROUND

* If green/ground connection is available, wire to ground.

EldoLED Driver Wiring

EldoLED ECOdrive/SOLOdrive 0-10V

THERMAL PROBE
HOT BLACK — EXTERNAL HOT
CONNECTOR TO DRIVER
NEUTRAL WHITE — EXTERNAL NEUTRAL
PURPLE — 0-10V (+) DIM
GREY/PINK — 0-10V (-) DIM
GROUND GREEN
HOUSING
GROUND — EXTERNAL GROUND

EldoLED SOLOdrive DALI

THERMAL PROBE
HOT BLACK — EXTERNAL HOT
CONNECTOR TO DRIVER
NEUTRAL WHITE — EXTERNAL NEUTRAL
PURPLE — DIM/DIGITAL BUS
PURPLE — DIM/DIGITAL BUS
GROUND GREEN
HOUSING
GROUND — EXTERNAL GROUND

EldoLED Tunable White Wiring

EldoLED DUALdrive 0-10V

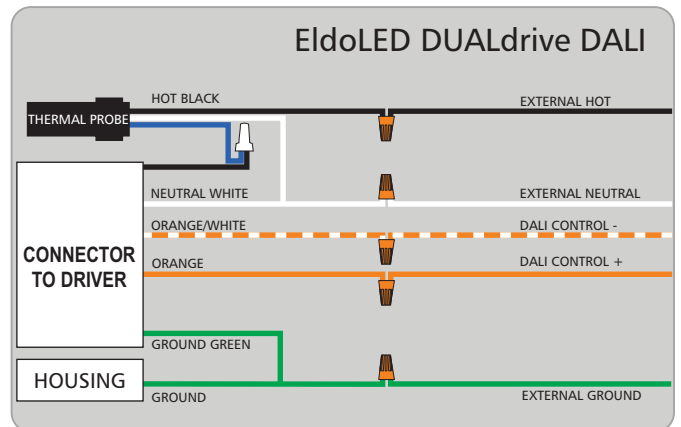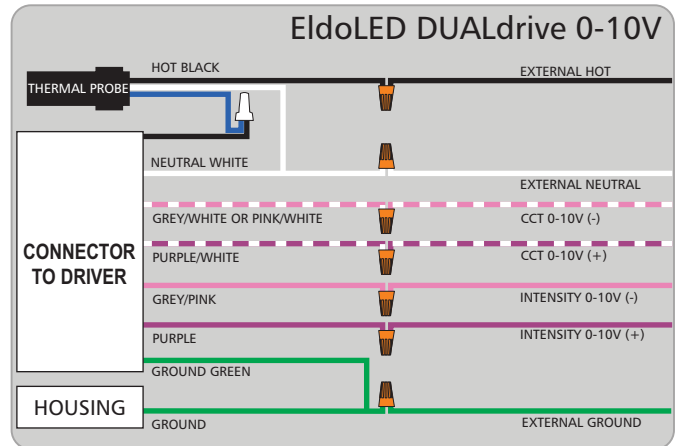THERMAL PROBE
HOT BLACK — EXTERNAL HOT
CONNECTOR TO DRIVER
NEUTRAL WHITE
EXTERNAL NEUTRAL
GREY/WHITE OR PINK/WHITE — CCT 0-10V (-)
PURPLE/WHITE — CCT 0-10V (+)
GREY/PINK — INTENSITY 0-10V (-)
PURPLE — INTENSITY 0-10V (+)
GROUND GREEN
HOUSING
GROUND — EXTERNAL GROUND

EldoLED DUALdrive DALI

THERMAL PROBE
HOT BLACK — EXTERNAL HOT
CONNECTOR TO DRIVER
NEUTRAL WHITE — EXTERNAL NEUTRAL
ORANGE/WHITE — DALI CONTROL -
ORANGE — DALI CONTROL +
GROUND GREEN
HOUSING
GROUND — EXTERNAL GROUND

Install Drywall

3A

4-1/2"

4-1/2"

ROUND COLLAR

SQUARE COLLAR

1 ▶ **For round trims**, mark a 4-1/2" diameter circle on drywall.
Cut out the marked section.
For square trims, mark a 4-1/2" square on drywall. Cut out
the marked section.

3B
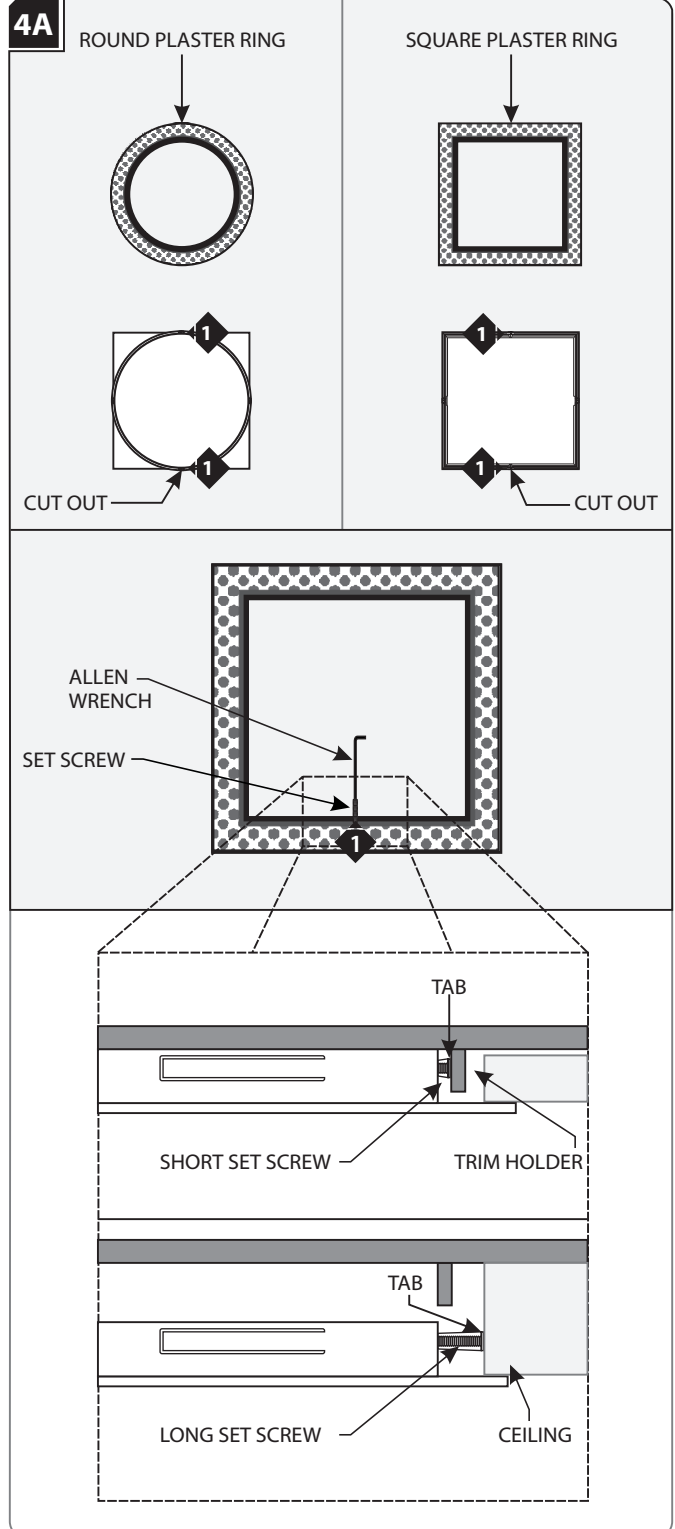
DRYWALL

2

COLLAR

2
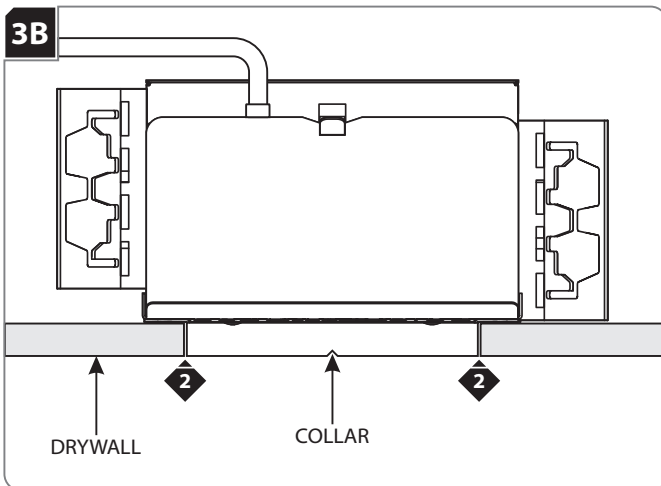
2 ▶ Align the cut out section of drywall with the collar and
install drywall.

FOR NON-IC FIXTURES ONLY

WARNING: Risk of Fire: The housing is not
intended to be in contact with or covered with
combustible materials and insulation. Do not
install insulation within 3 inches of the housing
sides or above in such a manner to entrap heat.

Install Plaster Ring (For Flangeless Versions)

4A

ROUND PLASTER RING

SQUARE PLASTER RING

1

1

CUT OUT

CUT OUT

ALLEN WRENCH

SET SCREW

1

TAB

SHORT SET SCREW

TRIM HOLDER

TAB

LONG SET SCREW

CEILING

1 ▶ Insert the plaster ring completely into the collar/ceiling
and secure them in place with the provided set screws and
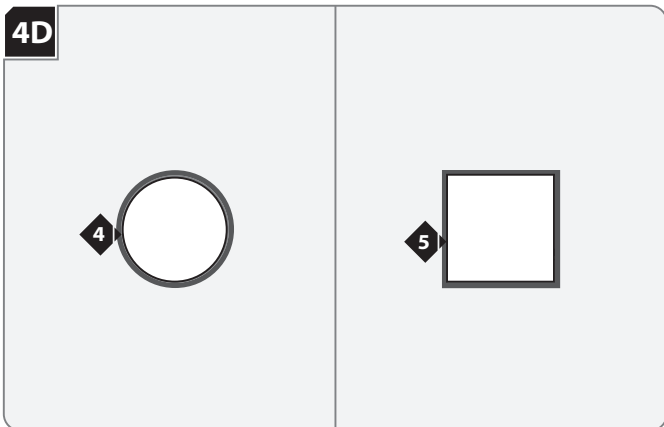Allen wrench.

NOTE: Longer set screws have been provided for
instances where the plaster ring does not reach the
collar and must be secured to the inside of the ceiling
cutout. Use the short set screws if the trim is installed in
the collar.

4C
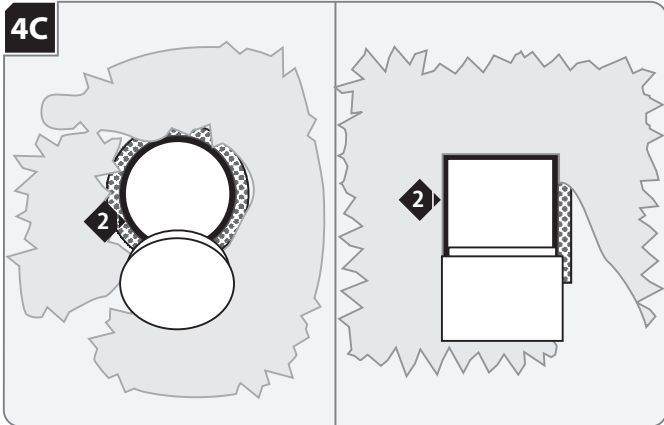
2 ▸ Plug the collar with the provided dust shield.

3 ▸ Properly plaster onto the plaster ring and drywall.

4D

4 ▸ Finish around the trim to match drywall.

Notes