

## Warning

- Carefully read these instructions before assembling the Fixture, to assure its correct and safe working performance.
- Keep these instructions in a safe place for future consultation; contact your distributor in the event of malfunction.
- **Do not modify the Fixture. Modifying the Fixture in any way invalidates the guarantee of conformity with standards and directives in force and it could make the actual Fixture hazardous. Reggiani will not be responsible for any damage or injury due through misuse of product.**
- The Fixture must be installed by qualified experts in accordance with industry best practice.
- System is intended for installation in accordance with National Electric Code, and local regulations. Consult with local inspector to assure compliance.
- As a safety guarantee, any components damaged while the Fixture is operating must be replaced with the same components before it is used again.
- **Turn off power at main switch before installing or modifying the system to prevent the risk of fire, electrical shock and injuries to persons.**
- Warning: [Risk of fire] do not install insulation within 3 inches around fixture, or junction box, or in a manner to entrap heat.

## Wiring

- The driver supplied with the Fixture is specially designed to maximize performance. Unless the Reggiani engineering department issues specific authorization, use of other drivers is prohibited.
- For non-track Fixtures, Fixture is provided with either remote driver, semi-remote driver, or integral driver.  
Note: **Before turning on mains power, confirm LED wires are properly connected to driver output wires.**
  - For remote and semi-remote driver, the correct wiring sequence is to wire the LED to the driver output, then connect the driver input to mains power.
  - For integral driver, the wiring between LED and driver output is prewired. The correct wiring sequence is to wire the driver input to mains power.

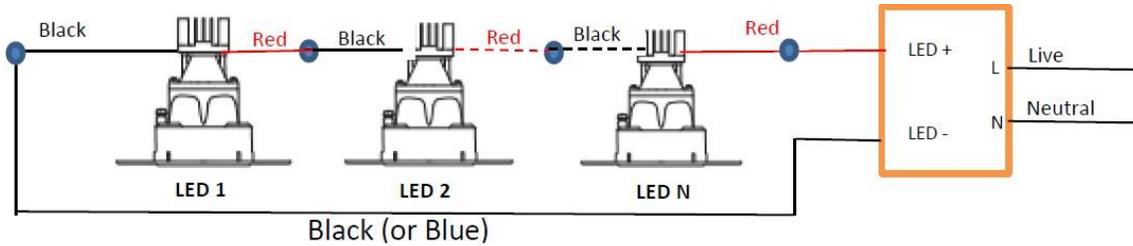
## Dimming

- Below is an overview of the different dimming options Reggiani offers, consult Fixture cutsheet for availability.
- **Phase Cut [Reverse and Forward]**  
The luminous flux is dimmed by varying the AC power delivered to the Fixture via Reverse [ELV] and Forward [Triac] phase configurations.
- **Analogue [0-10V]**  
The luminous flux is dimmed by varying a 0-10V direct voltage signal through polarity sensitive purple [dim +] and grey [dim -] wiring.
- **Dali Digital**  
The luminous flux is dimmed by sending a digital signal through polarity independent positive [D+] and negative [D-] wiring.
- **Lutron EcoSystem**  
The luminous flux is dimmed by sending a digital signal through a polarity independent E1 and E2 EcoSystem Digital Link wiring.
- **Emergency Lighting**  
The Fixture can be converted into emergency lighting [ALWAYS ON], by wiring Fixture with an emergency lighting inverter

## General Features of Remote and Semi-Remote Driver

- Reggiani offers a diverse selection of LED dimming drivers that vary in size depending on the Fixture wattage, current, and voltage.
- Across some Fixture families there exist the versatility of pairing multiple Fixtures on one driver, consult Factory.
- The LED drivers are secured in a metal enclosure with standard ½" trade size knock-outs.
- From the specification sheet or Fixture cutsheet determine the wiring method, series or parallel, and the number of Fixtures per driver for the model.
  - For multiple Fixtures powered to one driver via parallel circuit, connect all positive low voltage wires [fixtures and driver] to a common splice point and same with the negative.

- For multiple Fixtures powered to one driver via series circuit, each Fixture is to connect to the next by alternating polarity. See example wiring below.



**\*\* (Amount of fixtures used per driver may vary, however same layout applies)\*\***

- Maximum driver distance from Remote/Semi-Remote driver to Fixture is as follows:

Maximum Driver Distance	
Wire Gauge	Distance [ft]
18GA	60'
16GA	80'
14GA	100'

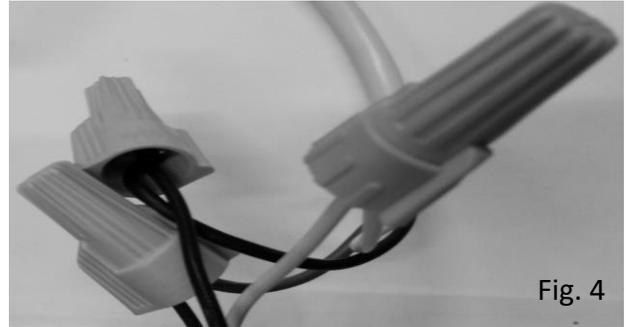
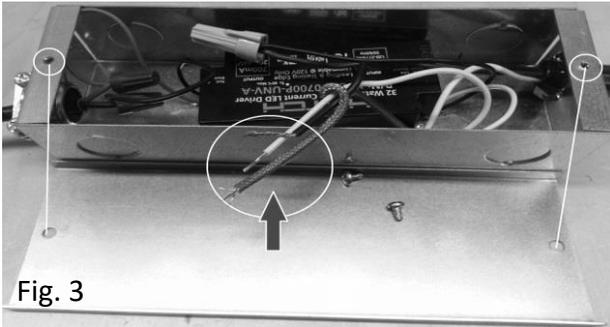
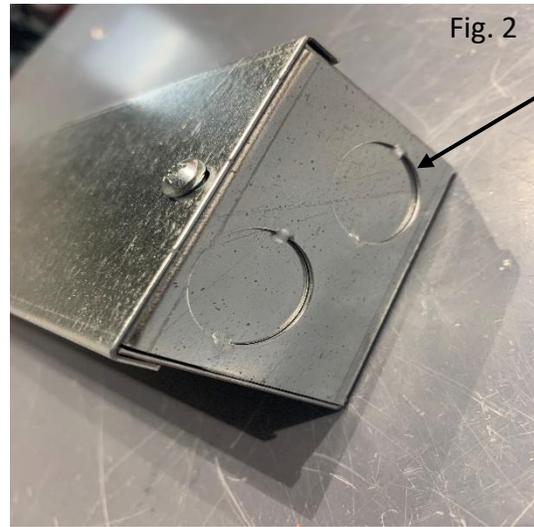
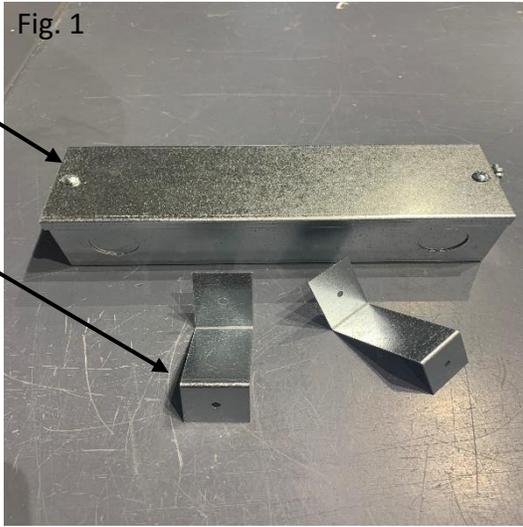
### Remote/Semi-Remote Driver Installation

- Note:
  - Remote/Semi-Remote driver must be installed in an accessible serviceable location with maximum ambient temperature of 100 degrees Fahrenheit.
  - Remote/Semi-Remote driver box requires 3" clearance from any insulation.
- Identify Remote/Semi-Remote driver and Z Brackets. [Fig. 1]
- Bring building mains power wires to Remote/Semi-Remote driver box through side knock-out. [Fig. 2]
- Remove Remote/Semi-Remote driver box cover, exposing driver input and output wires. [Fig. 3]
- Connect building wires to LED driver input wires as such: white to white [neutral], black to black [hot], and green to green/bare [ground]. [Fig. 4]
- Through appropriate methods, extend Remote/Semi-Remote driver output wires to Fixture ceiling junction box in preparation to connect with Fixture LED (+) and LED (-) wires.
- Secure Remote/Semi-Remote driver on flat surface via provided Z Brackets (Typ. 2) [Fig. 1]. Depending on field condition, use appropriate screws to secure Z Brackets on driver box and flat surface. [Fig. 5]
- Alternately, the Remote/Semi-Remote driver metal enclosure may be secured onto surface using hardware by others. First remove driver enclosure cover plate, fasten sheet metal screw through metal enclosure and onto surface, and then reattach driver enclosure cover plate.

### Diagrams

Remote/ Semi-Remote Driver

Z Bracket (Typ. 2)



Z Bracket (Typ. 2)

Screws provided by others

