

Before you begin, read all warnings and installation instructions thoroughly.

Safety & Warnings

- This driver must be installed in accordance with Article 450 of the National Electric Code, and local regulations.
- This product is to be installed and serviced by a qualified electrician.
- This driver must be grounded to the green grounding wire.
- Install in a well-ventilated area free from explosive gases and vapors.
- This product is rated for wet location/outdoor use (NEMA 3R enclosure).
- Only install compatible LED dimmable fixtures. Contact technical support or visit the online product page for compatible products.
- Utilize the wiring diagrams in this installation guide for basic installations.
- Do not modify or disassemble this product beyond instructions or the warranty will be void.
- Ensure applicable wire is installed between driver, fixture, and any controls in between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause fire.
- Do not test or install directly to 120VAC or through an ON/OFF switch. This driver must be installed with a compatible Magnetic Low Voltage (MLV) dimmer switch or the fixture may become permanently damaged. Visit the online product page for a list of compatible dimmer switches.
- Packaging will indicate output voltage, max load (de-rate 20%), and if product meets Class 2 compliance. See dimmer switch for minimum load requirements.

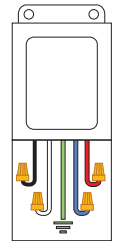
Quick Specs



Input Voltage	120VAC (Install with MLV dimmer)
Output Voltage	See driver label for output voltage.
Max Load	See driver label for maximum load. Ensure to de-rate the labeled load 20%. See dimmer switch for min. load requirements.

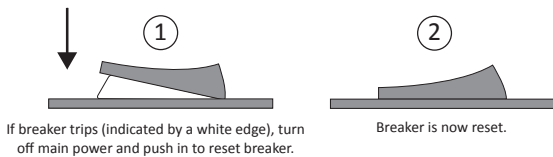
Mounting

For proper heat dissipation, mount vertically to a sturdy surface, with the wiring compartment pointing down. Install in a well-ventilated area free from explosive gases and vapors. A mounting tab is located at the top of the driver.



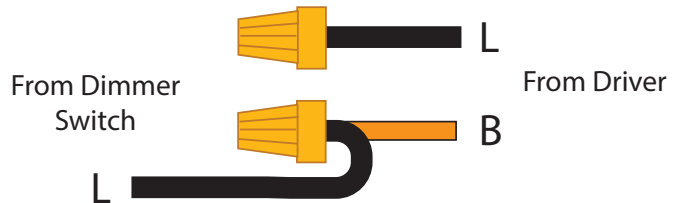
Manual Reset Breaker (200W - 300W Models)

Both primary and secondary circuits are protected with a single reset breaker in the event of an overload, surge, or short circuit. A tripped circuit is indicated by a popped out, white edge. To reset, turn off main power and push in button.



Boost Tap (200W - 300W Models)

200W & 300W models are equipped with a Boost Tap. Use the Orange **Boost Tap** as an optional voltage boost (roughly 1V) in place of the Black (Line) wire if the fixture is receiving noticeable light degradation. *Cap the existing hot wire not in use.*



Auto Reset Breaker (20W - 100W Models)

Both primary and secondary circuits are protected with an automatic reset breaker. A tripped circuit is indicated by the load powering off. Reset may take between 50 seconds and 5 minutes depending on load size.

Installation

Install in accordance with the NEC and local regulations. It is recommended to perform a dry test prior to permanent installation to ensure all system components are functioning properly.

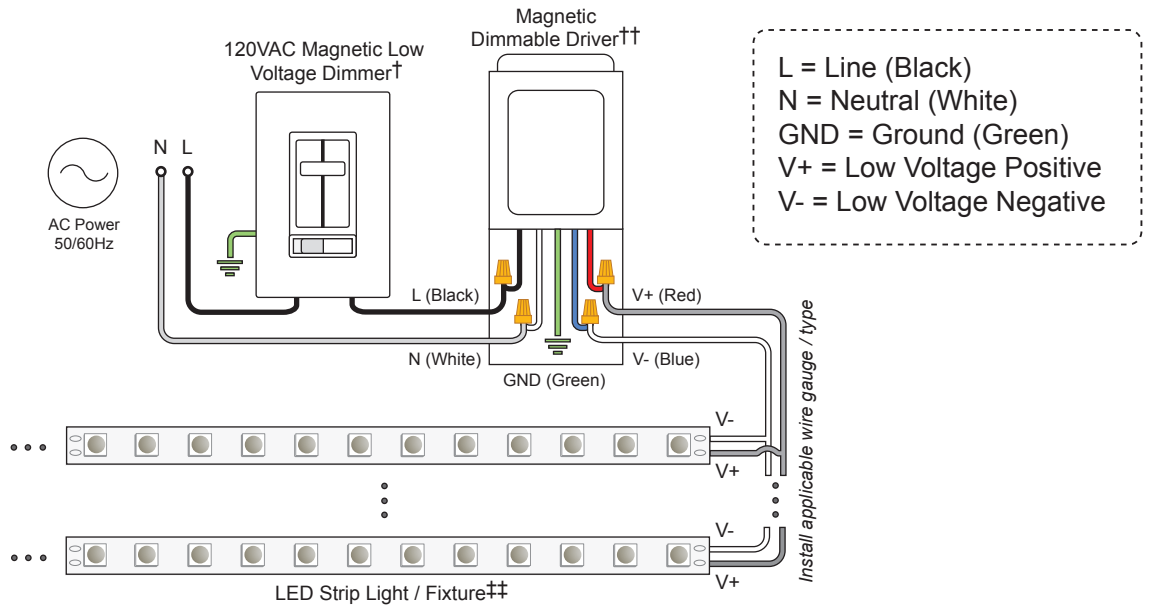
1. Turn power OFF at main circuit breaker.
2. Determine locations to install the driver, fixture and control. See 'System Diagram.'
3. Remove driver faceplate and pop out wiring knockouts as needed. Install 1/2" Romex connectors/wire strains. Feed wire through Romex connectors prior to making wiring connections.
4. Attach the appropriate load to the dimmable driver.
5. Attach the 120VAC MLV dimmer switch to dimmable driver. Follow the install instructions provided with the control.
6. Replace driver faceplate and turn power ON at main circuit breaker.

Ensure applicable wire is installed between driver, fixture, and dimmer. When choosing wire, factor in voltage drop, amp rating, and type to prevent fire or electric shock.

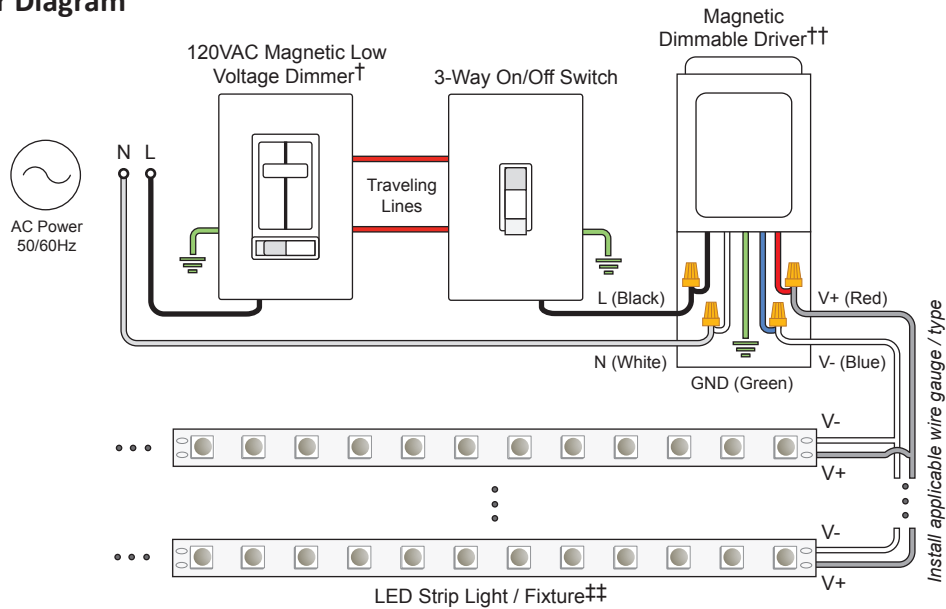
System Diagrams

The following diagrams are provided as example system designs. Use the Orange **Boost Tap** (see 'Boost Tap') as an optional voltage boost in place of the Black (Line) wire if the fixture is receiving noticeable light degradation (200W & 300W models only). Cap the existing hot wire not in use. See 'Boost Tap' on previous page. Install in accordance with the NEC and local regulations.

MLV Dimmer Diagram



3-Way MLV Dimmer Diagram



† Install a compatible magnetic low voltage dimmer switch. See dimmer switch manufacturer installation guide for complete wiring instructions.

†† Dimmable drivers require a compatible magnetic low voltage dimmer switch to supply the driver and fixture with appropriate input voltage. Do not test or install directly connected to an AC power source or On/Off switch. It is recommended to load the driver no more than 80% its labeled rating for maximum longevity. See dimmer switch manufacturer specifications for minimum load recommendations.

‡‡ See fixture specifications for maximum series run limits.

Troubleshooting

Please ensure a compatible MLV dimmer switch and dimmable LED fixture is installed. Incompatible dimmer switches and/or fixtures are the most common triggers for faulty installations.

- **Lights are flickering:** An incompatible dimmer switch or defective driver may produce excess strobing/flickering. Ensure a compatible dimmer is installed. See dimmer switch specs for minimum load requirements. If excess strobing/flickering is still apparent, please contact technical support.
- **Reset breaker trips repeatedly:** Ensure the driver is not overloaded. Always de-rate the driver 20% it's labeled rating. Ensure there is not a short circuit occurring. If the breaker continues to trip after reset then contact technical support as the driver may be defective.
- **Excess voltage drop:** Ensure applicable AWG wire is installed between driver and fixture. Additionally, an MLV dimmer switch will trim voltage down, causing an output less than 12VDC or 24VDC. Performance will not be affected if the fixture is receiving $\geq 10.5\text{VDC}$ (12V models) or $\geq 21\text{VDC}$ (24V models). Use the Orange Boost Tap (see 'Boost Tap') as an optional voltage boost in place of the Black (Line) wire if the fixture is receiving noticeable light degradation (200W & 300W models only). Cap the existing hot wire not in use.

For additional questions/concerns please contact technical support. We are more than happy to assist you with any technical difficulties or concerns.