

MINUS THREE - NEW CONSTRUCTION | LOW VOLTAGE INSTALLATION INSTRUCTIONS

Please read these instructions in their entirety prior to the start of the installation to ensure a proper and functional installation. Carefully review each step and confirm you have the necessary tools and compatible drivers to complete every step.

WARNING & SAFETY INSTRUCTIONS

- DO NOT INSTALL DAMAGED PRODUCT! Upon receipt, thoroughly inspect for any freight damage which should be brought to the attention of the delivery carrier.
- Compare the catalog description listed on the packing slip with the label on the carton to ensure you have received the correct merchandise.
- Read and familiarize yourself with the nomenclature and instructions before starting installation.
- RISK OF ELECTRIC SHOCK! Turn off electricity at the breaker panel or fuse box and follow NEC and all local electrical building codes and practices.
- RISK OF INJURY! Avoid direct eye exposure to the light source while it is on.
- Do not install directly to line voltage! Remote power supply is required. Follow all instructions by the manufacturer!
- Do not power on fixture with lens protector installed.
- Avoid direct contact with light source. The fixture lens must have a minimum clearance of 1 foot (30cm) at all times.
- Do not submerge this product under water.
- Do not install incompatible dimmers with driver. Check dimmer compatibility on the driver cutsheet.

THESE INSTRUCTIONS DO NOT PURPORT TO COVER ALL DETAILS OR VARIATIONS IN EQUIPMENT NOR TO PROVIDE FOR EVERY POSSIBLE CONTINGENCY TO BE MET IN CONNECTION WITH INSTALLATION, OPERATION OR MAINTENANCE. SHOULD FURTHER INFORMATION BE DESIRED OR SHOULD PARTICULAR PROBLEMS ARISE WHICH ARE NOT COVERED SUFFICIENTLY FOR THE CUSTOMER/OPERATOR'S PURPOSES THE MATTER SHOULD BE REFERRED TO APURE DISTRIBUTION, LLC.

Failure to follow any of these instructions could void product warranties. For a complete listing of product Terms and Conditions, please visit www.apurelighting.com. Apure assumes no responsibility for claims arising out of improper or careless installation or handling of its products.

Resources / Installation Videos

Scan QR Code or visit at apurelighting.com/resources/



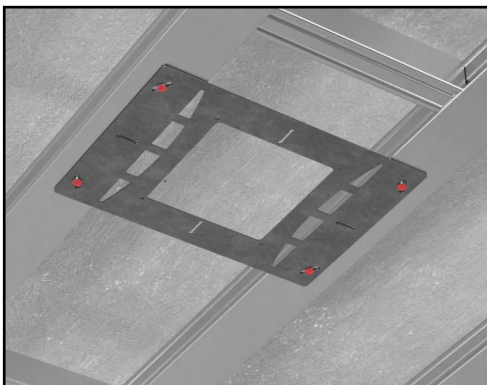
Resources



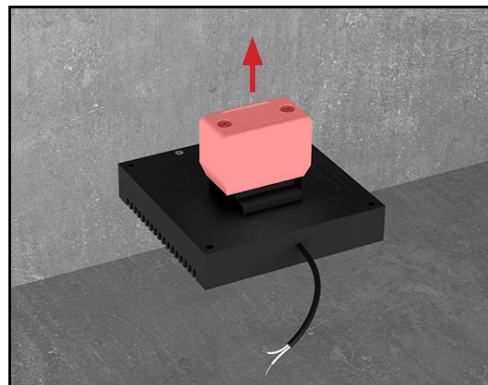
Videos



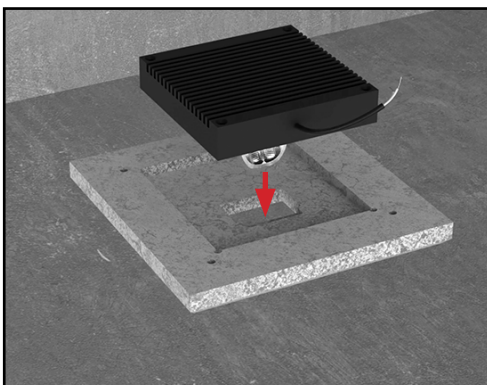
MINUS THREE - New Construction



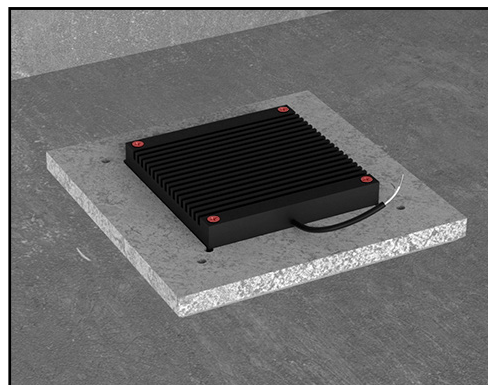
1. Separate the mounting bracket and mounting board and fasten the bracket to the framing in the desired fixture location.



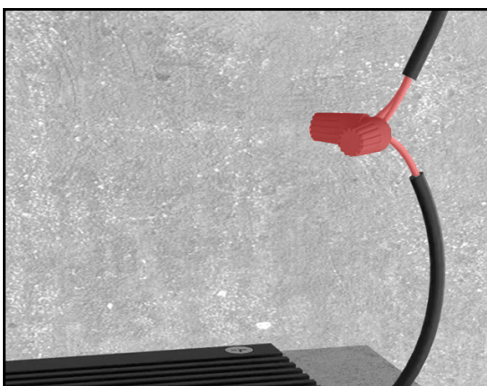
2. Take the Minus fixture and remove carefully remove the reflector guard. **Do not discard the protector as you will need it later.**



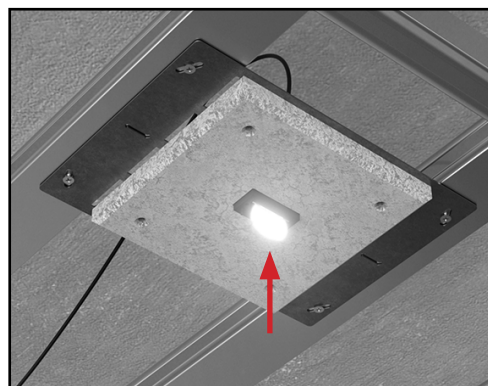
3. Rotate the Minus fixture and carefully place it onto the mounting board.



4. Secure the Minus fixture to the board by fastening the screws provided with the fixture.



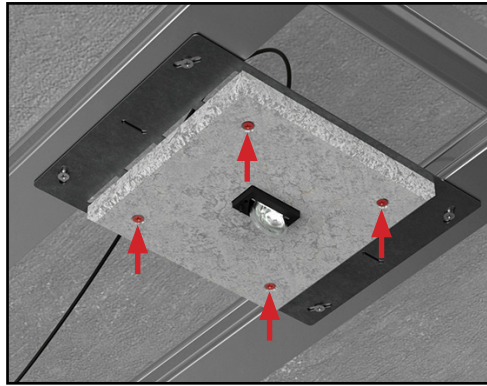
5. Feed **low voltage** wiring to the bracket and lift the fixture board assembly to the **low voltage** electrical connection and make the connection.



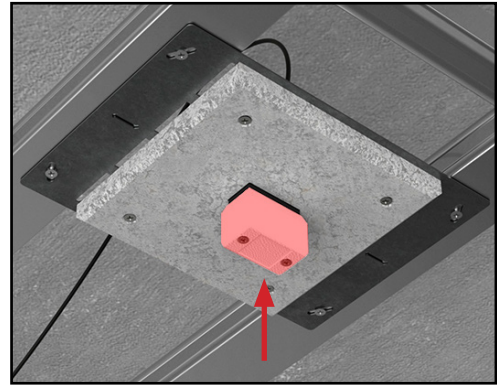
6. Test and confirm that the fixture is fully operational. **Do not move on to the next step until the fixture is operational.**

Note: Please refer to wiring diagram on page 5.

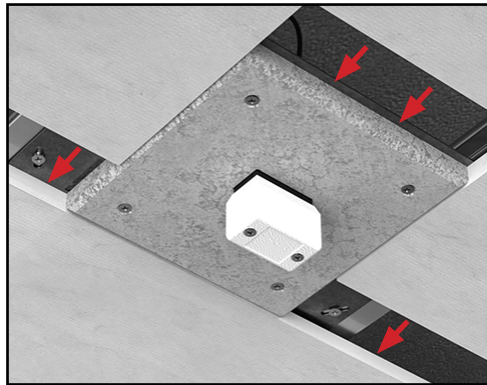
MINUS THREE - New Construction. Cont'd



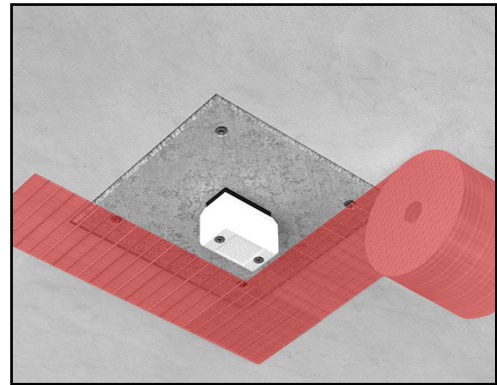
7. Secure the board to the drywall bracket using the provided screws.



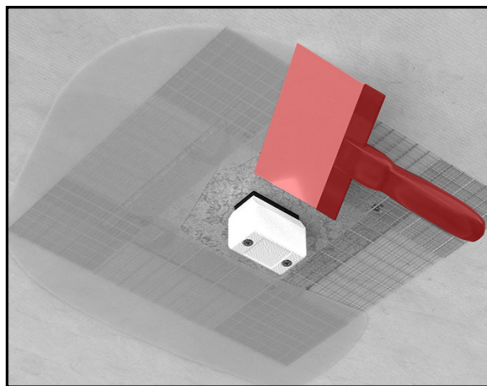
8. Take the reflector guard and carefully reinstall it to the fixture. **The fixture must remain off for the remainder of the installation.**



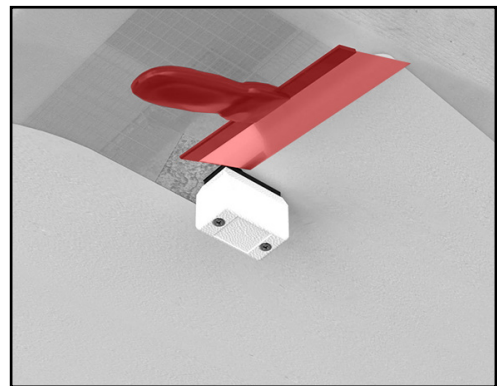
9. Cut and install the drywall around the fixture, ensuring that the fixture board assembly is 1/8" lower than the surrounding drywall. This will allow a finish of one eighth inch of plaster around the board with a minimal coat on the fixture board assembly.



10. Tape the seams between the drywall board and ceiling. Joint compound may be used to fill any gaps before applying the tape.

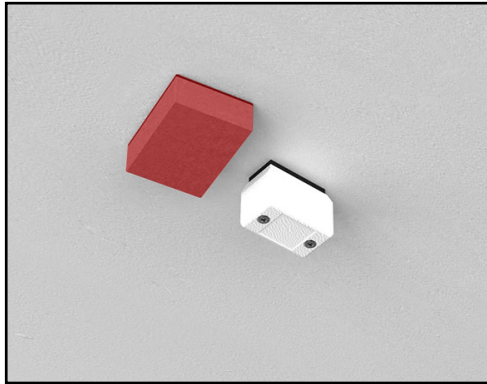


11. Allow for the tape to dry and apply your first coat of plaster to the tape seam, lightly skim coating the surface of the fixture board assembly.

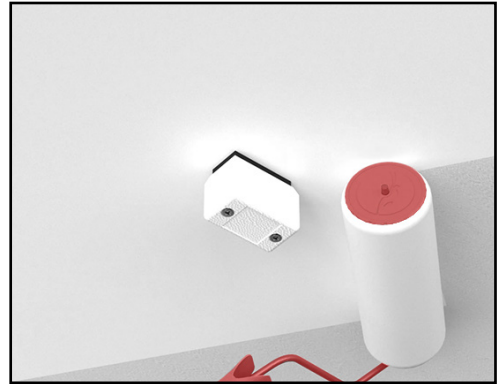


12. Apply the subsequent coat of plaster to level out the board with the existing drywall finish.

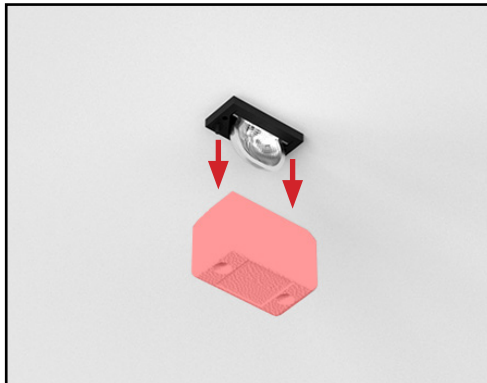
MINUS THREE - New Construction, Cont'd.



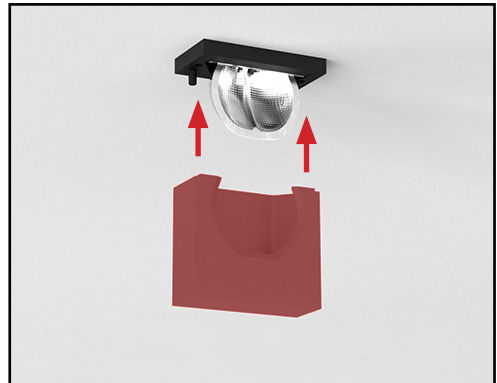
13. Allow for the surface to dry and sand the plastered ceiling.



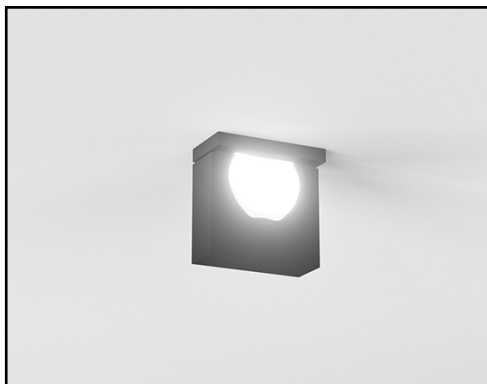
14. Paint the surface.



15. Carefully remove the reflector guard from the fixture opening.



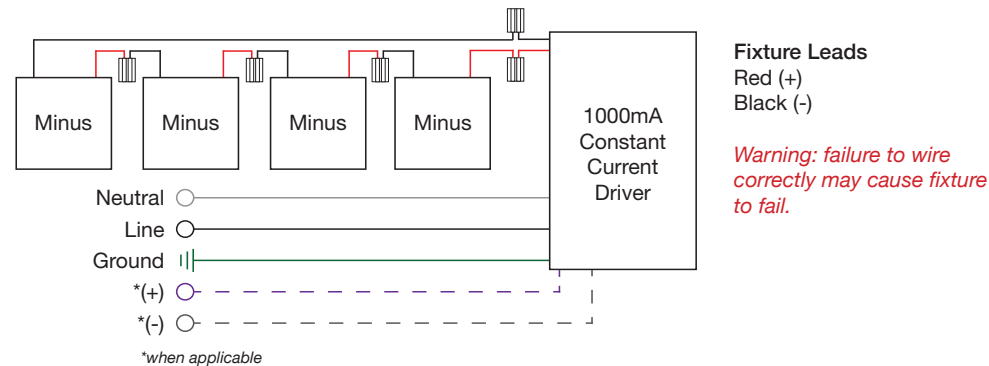
16. Take the magnetic reflector cover and carefully slide it over the reflector to complete installation.



17. The installation is now complete.

Wiring diagram on the following page.

Wiring Diagram for Constant Current Minus products - [CC]



Additional Considerations

The above wiring diagram applies only to Constant Current Minus products with product ordering codes ending with “CC”. The diagram above shows the typical wiring schematic, however the total number of fixtures per driver is driver specific.

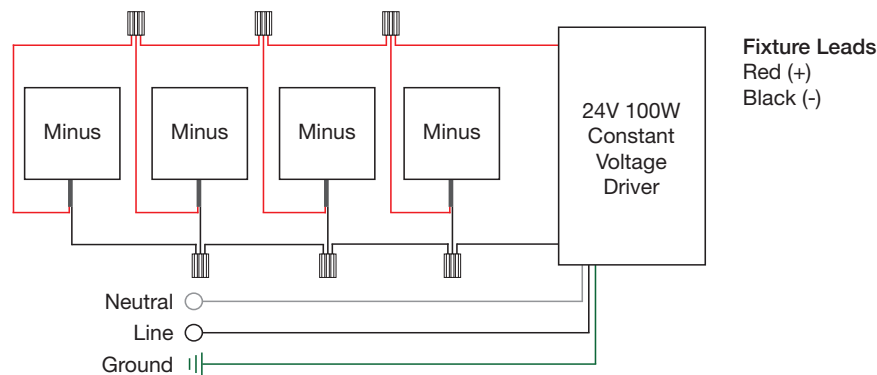
• Magnitude AFLEX 0-10V Driver (1000mA 60W)	1-4 Minus	16AWG - 82ft (25m)	US/CAN
• Hatch FTX 0-10V (1000mA 50W)	2-3 Minus	16AWG - 82ft (25m)	US/CAN
• Hatch XTC34 Phase Dimmable (1000mA 32W)	1-2 Minus	16AWG - 82ft (25m)	US/CAN
• Apure Phase Dimmable (1000mA 26W)	1-2 Minus	16AWG - 82ft (25m)	EU/INT'L
• Apure Phase Dimmable (1000mA 65W)	3-5 Minus	16AWG - 82ft (25m)	EU/INT'L
• KGP DALI 2 NFC Touch Dim (500-1000mA 53.2W)	1-4 Minus	16AWG - 82ft (25m)	EU/INT'L

WARNING: The power supply must operate within the range of minimum to maximum fixtures. Operation with less or more fixtures from the specified amount will result in damage to the power supply and/or lighting fixture. Incorrectly wiring the Constant Current lighting fixture may cause luminaire to fail.

Dimmer Compatibility

Driver manufacturers perform extensive compatibility testing with various dimmers and LED loads. Dimming performance may vary based on driver type, load, wiring, and dimmer model. Apure recommends verifying system performance prior to installation. Refer to the LED driver specification sheet for detailed dimming data.

Wiring Diagram for 24V Minus Products - [A] MLV or [L] Lutron



Additional Considerations

The above wiring diagram applies only to 24V Minus products with product ordering codes ending with “A” or “L”. The diagram above shows the typical wiring schematic, however the total number of fixtures per driver is driver specific.

• Magnitude M-Series Constant Voltage Driver (96W 24VDC)	1-4 Minus	≤16AWG - 150ft (45m)	US/CAN
• Lutron Hi-Lume Constant Voltage Driver (96W 24VDC)	1-4 Minus	≤16AWG - 150ft (45m)	US/CAN
• Lutron HomeWorks Constant Voltage Driver (96W 24VDC)	1-4 Minus	≤16AWG - 150ft (45m)	US/CAN

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