

NEOTERIC BOX LINEAR INSTALLATION GUIDE



LANTANA  LED

For support visit: <https://www.lantanaled.com/contact>
or contact us at: 415-814-8500



READ AND FOLLOW ALL SAFETY PRECAUTIONS AND INSTRUCTIONS

- Only qualified personnel shall install and service this fixture.
- Luminaire must be wired and grounded in accordance with the National Electrical Code, local codes, & ordinances.
- Wire supply connections must be made with UL-approved connectors.
- Mount in locations and at heights where equipment cannot be tampered with by unauthorized personnel.
- Using accessory equipment not recommended by the manufacturer may cause unsafe conditions.
- Do not mount solely to ceiling tile.
- Do not mount near gas or electric heaters.
- Do not use this equipment for other than its intended use.
- Do not use this equipment outdoors.
- Do not install this fixture near areas of high air movement (HVAC vents, doorways, windows, etc.)
- Do not feed excess cable or wiring into the fixture or junction box where electrical wires reside.
- Always disconnect power before installing any luminaire into an electrical junction box.
- Read and follow all safety precautions for integral emergency fixtures.

Onboard Emergency Battery Backup - For troubleshooting, wiring diagrams, and disabling the emergency driver refer to the Bodine BSL10T3 instruction manual <https://device.report/manual/6048783>



THIS PRODUCT CONTAINS A RECHARGEABLE LITHIUM-ION BATTERY. THE BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.

- Do not attempt to service the battery. A sealed, no-maintenance battery is used that is not field-replaceable. Contact the manufacturer for information on service.
- For Canadian applications, the output terminals should be in compliance with the accessibility requirement of the Canadian Electric Code.
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This product is for use with an emergency LED lighting load and supplies nominally 10.0 W/6.0 W (depending on model) of power, with a voltage of 15-54 VDC in emergency mode for a minimum of 90 minutes, in compliance with NFPA 101 and NEC 700.12.
- Make sure all connections are in accordance with the National Electrical Code or Canadian Electrical Code and any local regulations.
- This product is suitable for use in damp locations where the ambient temperature is 0°C minimum, + 55°C maximum. Product is also suitable for installation in sealed and gasketed fixtures. Product is not suitable for heated air outlets and wet or hazardous locations. Maximum allowable case temp is 65°C. See unit label for Tc measurement location.
- An unswitched AC power source is required (120-277 VAC, 50/60 Hz).
- This product must be grounded. See the wiring diagrams for details.
- To reduce the risk of electric shock, disconnect both normal and emergency power supplies before servicing. Follow the instructions in the OPERATION section to disable the output of this LED driver.
- This emergency driver is suitable for both factory and field installation.

Required Tools and Materials Not Included:

- Screwdriver (Phillips or flathead, depending on the fixture)
- Wire strippers
- Non-contact voltage tester
- Ladder (if needed)
- Junction Box (J-box)

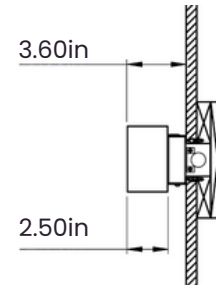
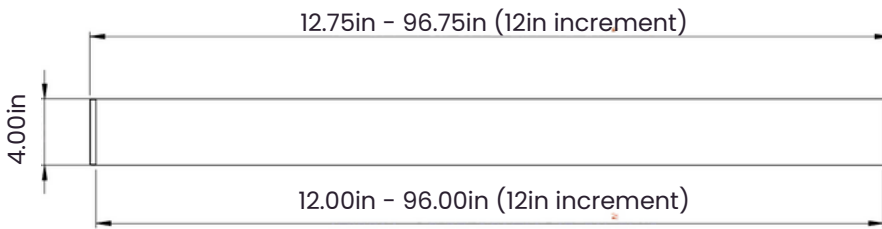
Box Linear Wall Mount	pages 3-4
Box Linear Pendant Mount	pages 5-6
Box Linear Continuous Run Mount	pages 7-8

NEOTERIC BOX LINEAR - WALL

IMPORTANT

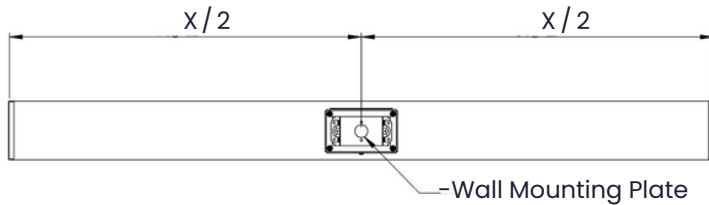
Box Linear Fixtures 1ft, 2ft, 3ft, and 4ft require a center wall mount bracket. Fixtures 5ft, 6ft, 7ft, and 8ft long will require a center mount wall bracket and additional brackets to support each fixture end. The installer must identify proper hardware for the fixture installation per site conditions and provide appropriate blocking behind the finished ceiling to support the fixture weight. Mounting solely to GYP board ceiling tile is not recommended and may result in injury. Junction boxes are not included with the mounting hardware and are provided by others.

OVERALL DIMENSIONS X - Overall Dimension

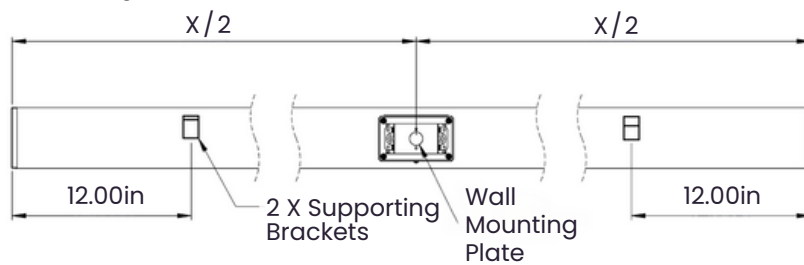


MOUNTING LOCATIONS

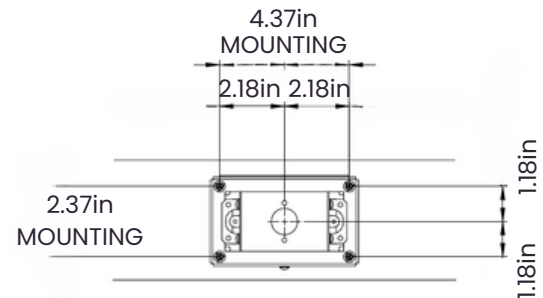
Fixture length 1ft to 4ft



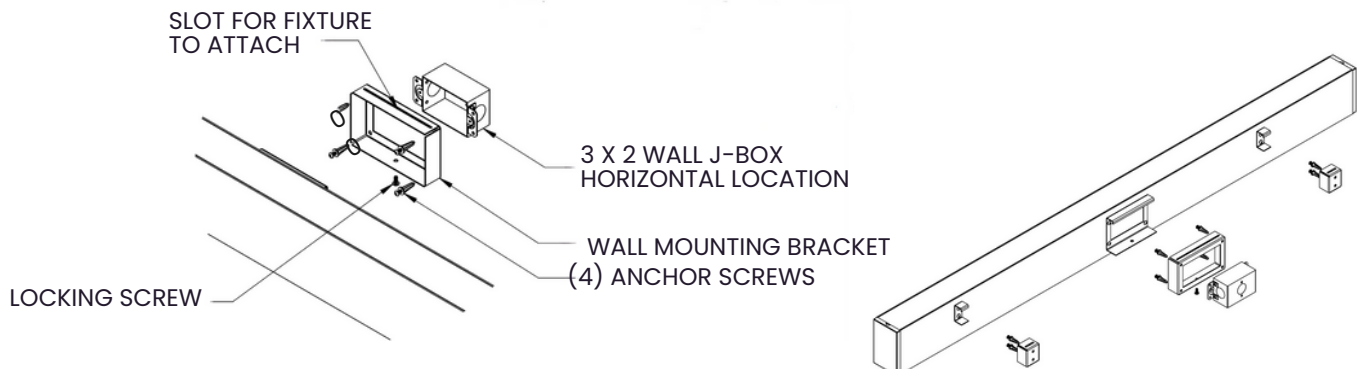
Fixture length 5ft to 8ft



CENTER WALL PLATE PATTERN



CENTER WALL BRACKET EXPLODED VIEW



WALL MOUNT INSTRUCTIONS

See notes and illustrations on previous page.

Step 1: Safety

- Turn Off Power: Ensure the power is turned off at the circuit breaker to prevent electrical shock.
- Verify that Power is Off: Use a non-contact voltage tester to confirm that the power is completely off at the junction box.

Step 2: Prepare the Junction Box

- Remove the cover of the junction box if it's already installed.
- Inspect the wires to ensure they are in good condition and have adequate length for connections.

Step 3: Prepare the LED Fixture

- Carefully unpack your LED light fixture.
- Check the fixture's wires (black, white, and green, or black and red) and ensure the UL-certified connections are in place and secure.

Step 4: - Verify Hardware Compatibility

- Refer to Center Wall Bracket Exploded View for J-box size and mounting position. Use only 3 x 2 horizontal wall-mounted J-Box.

Step 5: Measure and mark

- Identify fixture length and refer to illustrations for mounting distances.

Step 6: Attach the fixture

- Install center mounting bracket over 3 x 2 wall j-box.
- Install additional side supporting brackets for fixtures over 5ft long. Level the center bracket and supporting brackets.
- Hold the fixture in place and make wiring connection inside the j-box; steps 7-8. (Longer-length fixtures may require two people to hold and wire them safely.)

Step 7: Identify the Wires

- Hot Wire (Black): This carries the current to the fixture.
- Neutral Wire (White): This completes the electrical circuit.
- Ground Wire (Green or Bare Copper): Provides a safe path during a short circuit.

Step 8: Connect the Wires

- Connect the Ground Wire: Use the UL-certified connector to attach the ground wire from the fixture to the ground wire in the junction box. Ensure the connection is secure and tight.
- Connect the Neutral Wire: Connect the white wire from the fixture to the white wire in the junction box using the UL-certified connectors.
- Connect the Hot Wire: Connect the black wire from the fixture to the black wire in the junction box using the UL-certified connectors.

Step 9: Secure the Connections

- Ensure all wires are secure to avoid any loose connections.
- Gently tuck the wires into the junction box, ensuring no strain on the connections.

Step 10: Finalize Installation

- Lift the fixture a few inches above the center j-box mount, then align and hook the center bracket in place. Align and hook side brackets for fixtures 5-8ft long.
- Make sure the fixture is level.
- Secure the center bracket screw from below, as seen on the Center Wall Bracket Exploded View.

Step 11: Test the fixture

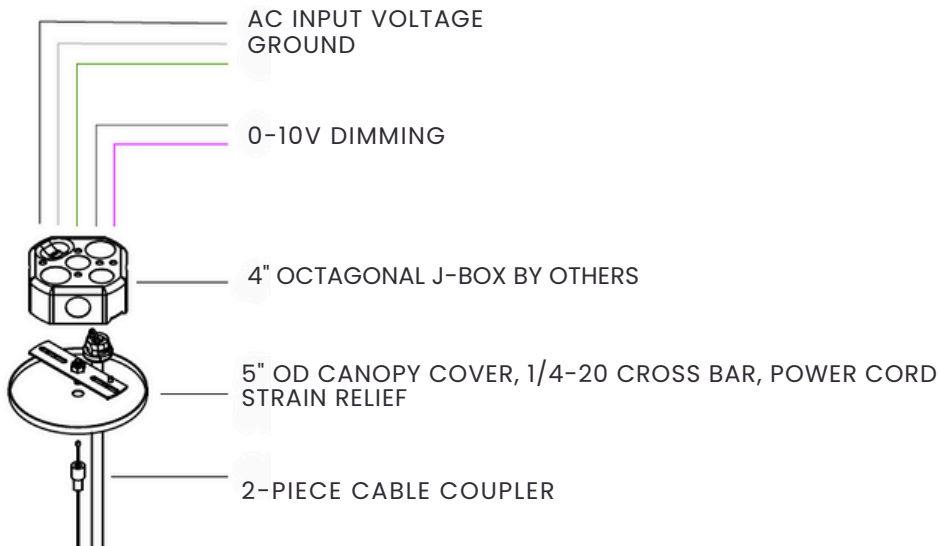
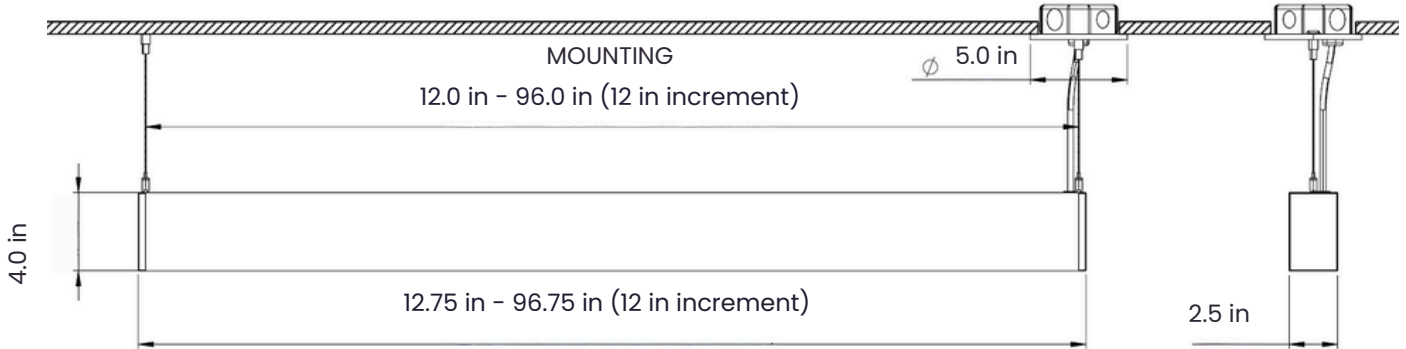
- Restore power and test the fixture.

NEOTERIC BOX LINEAR - PENDANT

IMPORTANT

The installer must identify proper hardware for the fixture installation per site conditions and provide appropriate blocking behind the finished ceiling to support the fixture weight. Mounting solely to GYP board ceiling tile is not recommended and may result in injury. Junction boxes are not included with the mounting hardware and are provided by others.

OVERALL DIMENSIONS & MOUNTING



PENDANT MOUNT INSTRUCTIONS

See notes and illustrations on previous page.

Step 1: Safety

- Turn Off Power: Ensure the power is turned off at the circuit breaker to prevent electrical shock.
- Verify that Power is Off: Use a non-contact voltage tester to confirm that the power is completely off at the junction box.

Step 2: Prepare the Junction Box

- Remove the cover of the junction box if it's already installed.
- Inspect the wires to ensure they are in good condition and have adequate length for connections.

Step 3: Prepare the LED Fixture

- Carefully unpack your LED light fixture.
- Check the fixture's wires (black, white, and green, or black and red) and ensure the UL-certified connections are in place and secure.

Step 4: Measure and mark

- Identify fixture length and refer to illustration on the previous page for mounting distances.

Step 5: Attach the fixture

- Install the ceiling coupler to the ceiling stud on the non-powered end of the fixture.
- Attach the crossbar to the junction box on the powered end of the fixture.
- Hang the fixture with two safety cables and feed the power cord through the canopy feed hole. Leave the canopy open for wiring.

Step 7: Identify the Wires

- Hot Wire (Black): This carries the current to the fixture.
- Neutral Wire (White): This completes the electrical circuit.
- Ground Wire (Green or Bare Copper): Provides a safe path during a short circuit.

Step 8: Connect the Wires

- Connect the Ground Wire: Use the UL-certified connector to attach the ground wire from the fixture to the ground wire in the junction box. Ensure the connection is secure and tight.
- Connect the Neutral Wire: Connect the white wire from the fixture to the white wire in the junction box using the UL-certified connectors.
- Connect the Hot Wire: Connect the black wire from the fixture to the black wire in the junction box using the UL-certified connectors.

Step 6: Finalize Installation

- Make sure the fixture is level.
- Secure the canopy to the junction box.

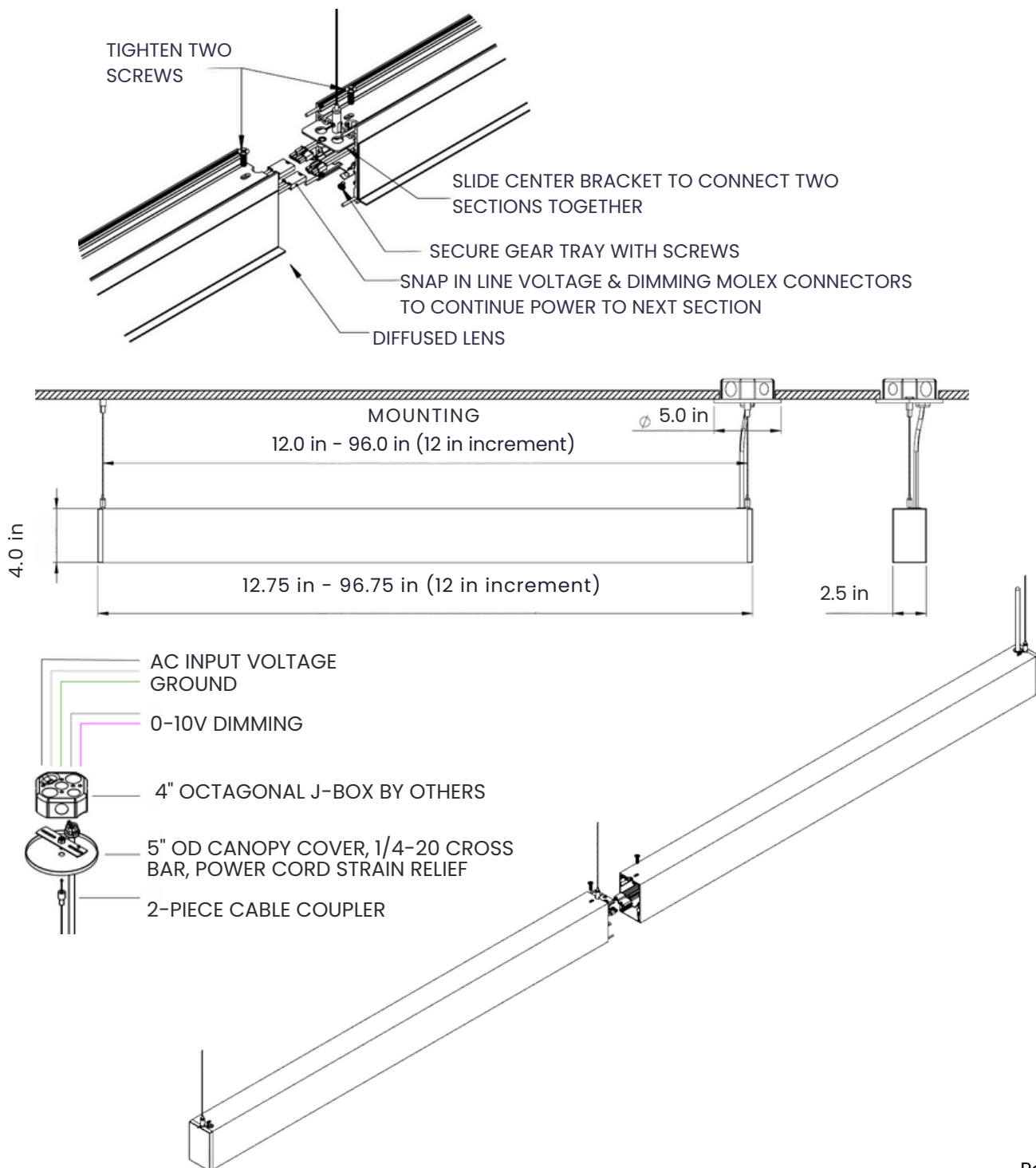
Step 7: Test the fixture

- Restore power and test the fixture.

NEOTERIC BOX LINEAR - CONTINUOUS RUN (CR)

The installer must identify proper hardware for the fixture installation per site conditions and provide appropriate blocking behind the finished ceiling to support the fixture weight. Mounting solely to GYP board ceiling tile is not recommended and may result in injury. Junction boxes are not included with the mounting hardware and are provided by others.

OVERALL DIMENSIONS & MOUNTING



PENDANT MOUNT CONTINUOUS RUN

See notes and illustrations on previous page.

Step 1: Safety

- Turn Off Power: Ensure the power is turned off at the circuit breaker to prevent electrical shock.
- Verify that Power is Off: Use a non-contact voltage tester to confirm that the power is completely off at the junction box.

Step 2: Prepare the Junction Box

- Remove the cover of the junction box if it's already installed.
- Inspect the wires to ensure they are in good condition and have adequate length for connections.

Step 3: Prepare the LED Fixture

- Carefully unpack your LED light fixture.
- Check the fixture's wires (black, white, and green, or black and red) and ensure the UL-certified connections are in place and secure.

Step 4: Measure and mark

- Identify the Start, Middle, and End sections.
- Identify fixture length and refer to the above illustration for mounting distances.

Step 5: Attach the fixture

- Install the ceiling coupler to the ceiling stud on non-powered end. Attach the crossbar on the powered end to the junction box. Ceiling J-Boxes to be provided to others.
- Hang the fixture with two safety cables and feed the power cord through the canopy feed hole. Leave the canopy open for wiring.

Step 2: Connect Sections

- To make the center mechanical connections, remove the lens by gently prying the lens from the housing using a flathead screwdriver.
- Connect two electrical quick connects to continue power from the fixture start feed to the next section. One connector is used for line voltage and ground, and the second one for dimming,
- Align two fixture sections together and slide the center bracket to make the mechanical connection. Secure two screws on top of the fixture and lock the center bracket in place.
- Secure the LED gear tray with two screws from the inside of the fixture extrusion.
- Place the lens back into the housing.

Step 8: Connect the Wires (Follow manufacturer labels as colors may differ)

- Connect the Ground Wire: Use the UL-certified connector to attach the ground wire from the fixture to the ground wire in the junction box. Ensure the connection is secure and tight.
- Connect the Neutral Wire: Connect the white wire from the fixture to the white wire in the junction box using the UL-certified connectors.
- Connect the Hot Wire: Connect the black wire from the fixture to the black wire in the junction box using the UL-certified connectors.
- If Dimming, wire the driver's 0-10V dimming to the source dimming wiring using the UL-certified connectors.

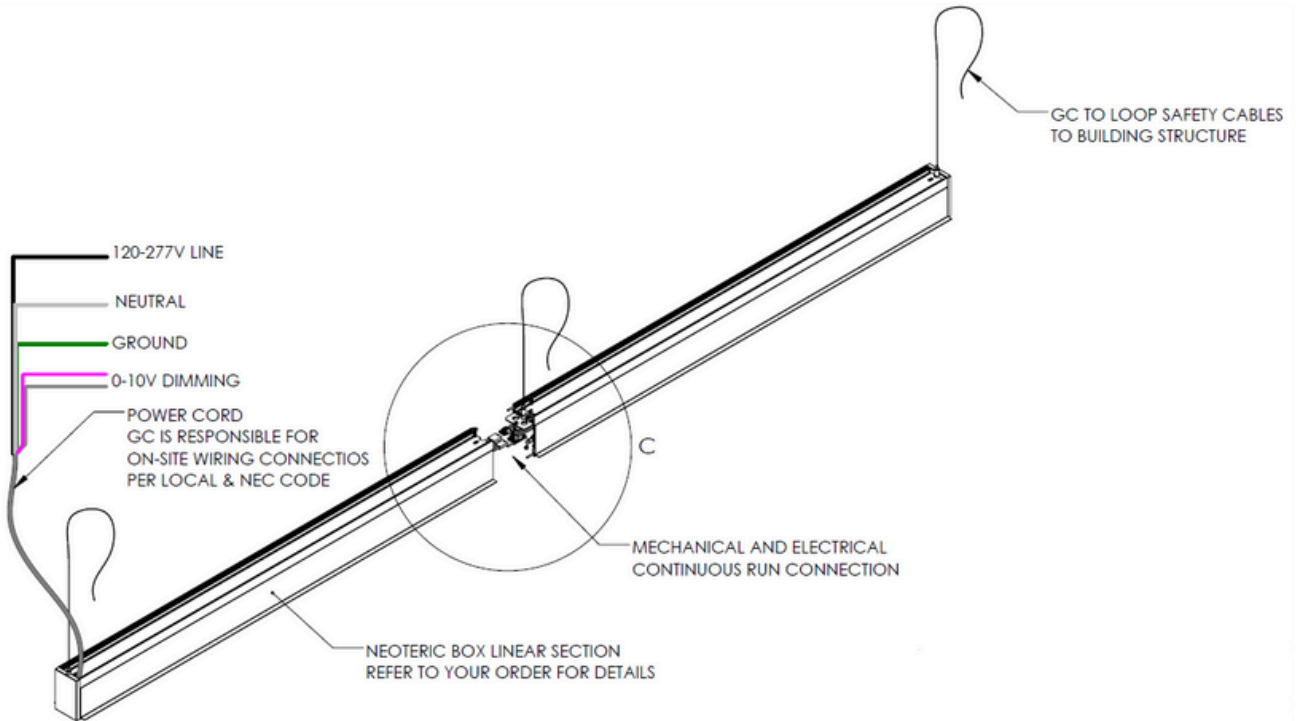
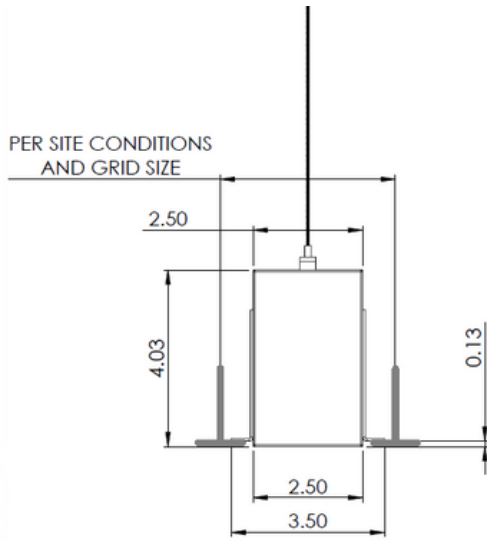
Step 6: Secure the Fixture and Test Installation

- Ensure all wire connections are secure.
- Level the fixture, if needed.
- Secure the canopy to the junction box.
- Restore power to the fixture and test installation.

RECESSED MOUNT CONTINUOUS RUN

IMPORTANT

The installer must identify proper hardware for the fixture installation per site conditions and provide appropriate blocking behind the finished ceiling to support the fixture weight. Installed must review suspended ceiling specification and confirm compatibility with Box Linear Fixture. Review below dimensional drawings for overall dimensions for the fixture and recessed flanges. Do not let fixture lay down solely on ceiling tiles. Contractor must provide cable ties to building structures for fixture support.



RECESSED MOUNT CONTINUOUS RUN

See notes and illustrations on previous page.

Step 1: Safety

1. Turn Off Power: Ensure the power is turned off at the circuit breaker to prevent electrical shock.
2. Verify that Power is Off: Use a non-contact voltage tester to confirm that the power is completely off at the junction box.

Step 2: Prepare the Junction Box

1. Remove the cover of the junction box if it's already installed.
2. Inspect the wires to ensure they are in good condition and have adequate length for connections.

Step 3: Prepare the LED Fixture

1. Carefully unpack your LED light fixture.
2. Check the fixture's wires (black, white, and green, or black and red) and ensure the UL-certified connections are in place and secure.

Step 4: Measure and mark

1. Identify the Start, Middle, and End sections per the ceiling grid layout.
2. Identify fixture length and recessed flange dimensions and refer to the above illustration for making ceiling grid adjustments for structure and tiles. Ensure the fixture will have the appropriate cut-through opening to fit the fixture size.

Step 5: Attach the fixture

1. Prepare the ceiling grid layout and make the fixture accessible by removing perimeter ceiling tiles.
2. Lift the fixture and place it inside the ceiling grid.
3. Hang the fixture with two safety cables behind the ceiling to ensure it's connected to the building structure.
4. Lead the fixture power cord to the ceiling junction box (by others) and feed the power cord through the canopy feed hole. Leave the canopy open for wiring.

Step 6: Connect Sections

1. To make the center mechanical connections, remove the lens by gently prying the lens from the housing using a flathead screwdriver.
2. Connect two electrical quick connects to continue power from the fixture start feed to the next section. One connector is used for line voltage and ground, and the second one for dimming.
3. Align two fixture sections together and slide the center bracket to make the mechanical connection. Secure two screws on top of the fixture and lock the center bracket in place.
4. Secure the LED gear tray with two screws from the inside of the fixture extrusion.
5. Place the lens back into the housing.

Step 7: Connect the Wires (Follow manufacturer labels as colors may differ)

1. Connect the Ground Wire: Use the UL-certified connector to attach the ground wire from the fixture to the ground wire in the junction box. Ensure the connection is secure and tight.
2. Connect the Neutral Wire: Connect the white wire from the fixture to the white wire in the junction box using the UL-certified connectors.
3. Connect the Hot Wire: Connect the black wire from the fixture to the black wire in the junction box using the UL-certified connectors.
4. If Dimming, wire the driver's 0-10V dimming to the source dimming wiring using the UL-certified connectors.

Step 8: Secure the Fixture and Test Installation

1. Ensure all wire connections are secure.
2. Secure the canopy to the junction box.
3. Restore power to the fixture and test installation.