

EDGE 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:

Screwdriver (Phillips or flathead, depending on the fixture)

Wire strippers

Non-contact voltage tester

Ladder (if needed)

SURFACE MOUNT

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

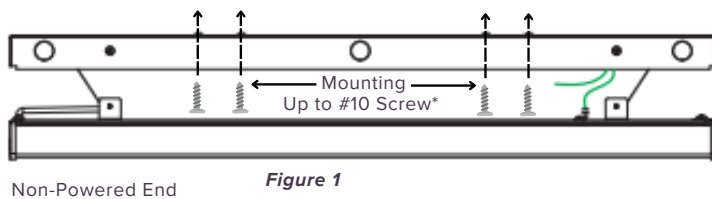
1. Carefully unpack your LED light fixture.
2. Check the fixture's wires (black, white, and green, or black and red) and ensure the UL-certified connections are in place and secure.

INTEGRAL:

1. Open the driver housing to access the pre-wired LED driver and quick splicing connectors by unscrewing the side mounting screws.
2. Mount the fixture box to the ceiling with two #10 screws per ceiling condition. Any anchors should be used on the non-powered end.
3. Proceed to wiring.

REMOTE:

1. Mount the fixture box to the ceiling with two #10 screws per ceiling condition. Any anchors should be used on the non-powered end.
2. Proceed to wiring.



INTEGRAL INSTALLATION: DRIVER HOUSING

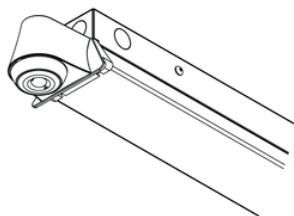
Sensor End Knock-out
(DO NOT WIRE LINE
VOLTAGE)

REMOTE INSTALLATION: MOUNTING BRACKETS WITH SCREWS

Emergency Test
Button (Select
Models)

SENSORS

Sensor and sensor endcap are preinstalled. Follow sensor manufacturer guidelines for setup.



Continue installation on next page.

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SURFACE MOUNT

Continue:

Step 4: Connect the Wires (Follow manufacturer labels as colors may differ)

INTEGRAL:

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 Emergency, connect any sense EM wiring.
5. If Dimming, Wire the fixtures 0-10V dimming to source dimming wiring. Always follow factory labels.
6. Proceed to the next step.

REMOTE:

1. Connect the Neutral Wire: Connect the black wire from the fixture to the power source black wire using the UL-certified connectors.
2. Connect the Positive Wire: Connect the red wire from the fixture to the power source red wire using the UL-certified connectors.
3. Proceed to next step.

Step 5: Secure the Connections

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

Step 6: Finalize Installation

1. Close the box and align side mounting holes with internal U-brackets and screw all sides with included side mounting screws.
2. Check that all connections are tight and that the fixture is stable.
3. Replace the knockout cover and secure it with the saved screws and lock nut.

Step 7: Test the Fixture

1. Once installed, restore power to the fixture to ensure it operates correctly.
2. Check for any issues with balance or stability.

FOR EMERGENCY (select models)

If wired correctly, the indicator light/button should be ON when AC power is supplied to the fixture, indicating that the emergency inverter battery is charging. Let the unit charge for 24 hours before putting it into full service. The self-testing emergency driver automatically performs required routine testing.

UNISTRUT MOUNT

Step 1: Safety

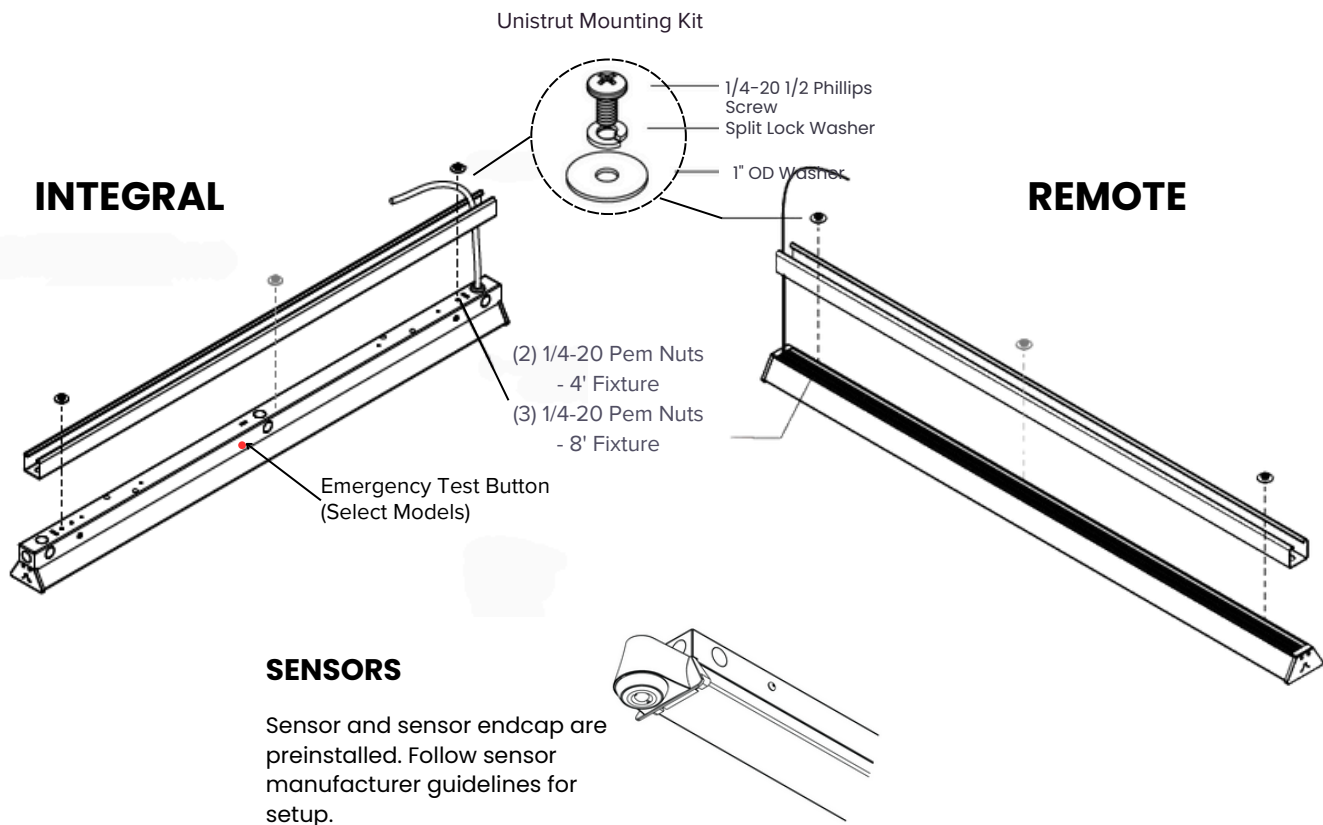
1. Turn Off Power: Ensure the power is turned off at the circuit breaker to prevent electrical shock.
2. Verify that Power is Off: Use a non-contact voltage tester to confirm that the power is completely off at the junction box.

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.'
3. For fixtures with no power cord (whip), feed the power cord or conduit through one of the 1/2 knockout holes. Use UL-listed strain relief.
4. Secure the fixture to the appropriate Unistrut structural supports using the included unistrut mounting hardware kit containing screws, nuts, and washers. See image on next page.
5. Proceed to wiring.



Continue installation on next page.

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UNISTRUT MOUNT

Continue:

Step 4: Connect the Wires (Follow manufacturer labels as colors may differ)

INTEGRAL:

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.
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5. If Dimming, Wire the fixtures 0-10V dimming to source dimming wiring. Always follow factory labels.
6. Proceed to the next step.

REMOTE:

1. Connect the Neutral Wire: Connect the black wire from the fixture to the power source black wire using the UL-certified connectors.
2. Connect the Positive Wire: Connect the red wire from the fixture to the power source red wire using the UL-certified connectors.
3. Proceed to next step.

Step 5: Secure the Connections

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

Step 6: Finalize Installation

1. Check that all connections are tight and that the fixture is stable.

Step 7: Test the Fixture

1. Once installed, restore power to the fixture to ensure it operates correctly.
2. Check for any issues with balance or stability.

FOR EMERGENCY (select models)

If wired correctly, the indicator light/button should be ON when AC power is supplied to the fixture, indicating that the emergency inverter battery is charging. Let the unit charge for 24 hours before putting it into full service. The self-testing emergency driver automatically performs required routine testing.

PENDANT MOUNT

Step 1: Safety

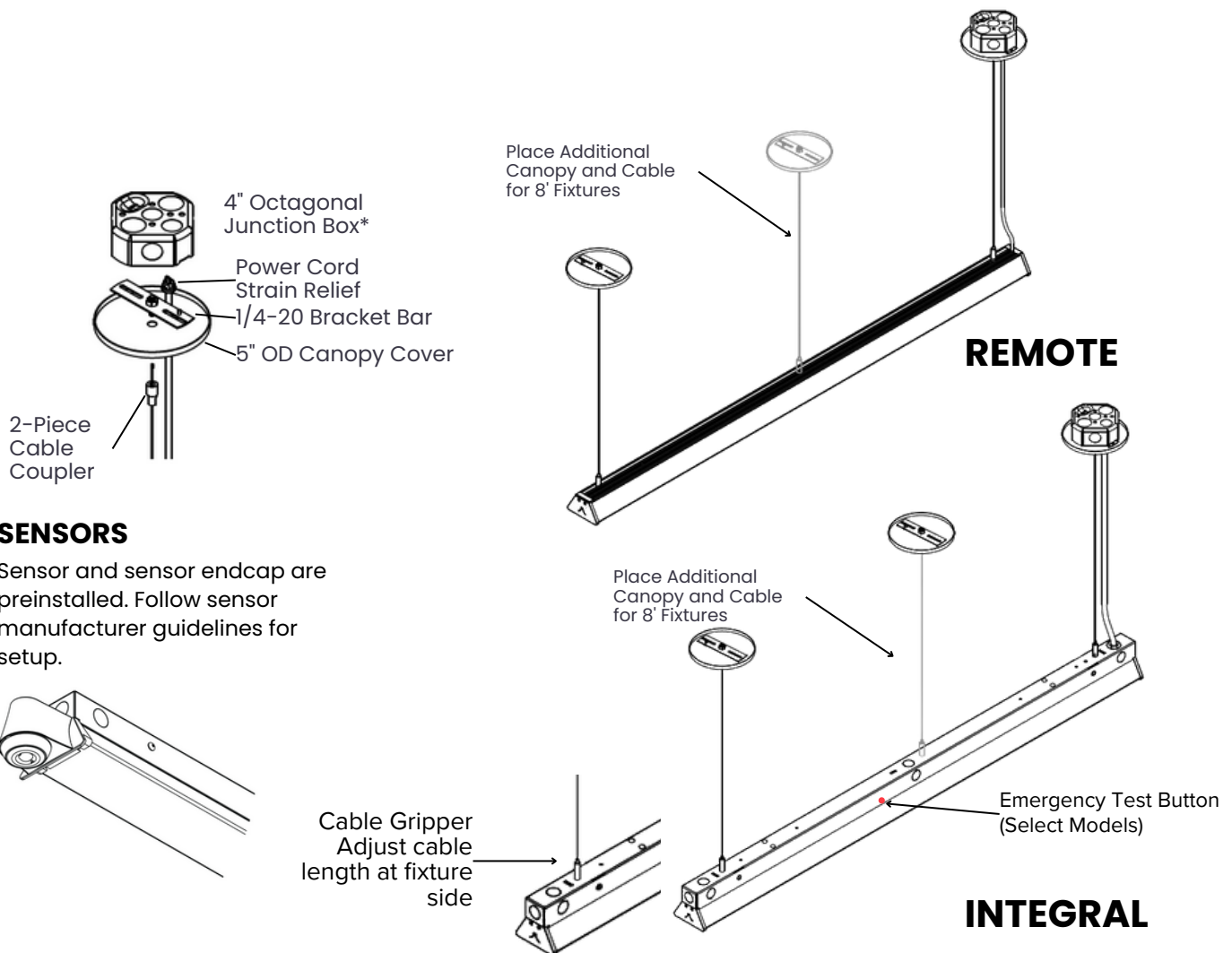
1. Turn Off Power: Ensure the power is turned off at the circuit breaker to prevent electrical shock.
2. Verify that Power is Off: Use a non-contact voltage tester to confirm that the power is completely off at the junction box.

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.



PENDANT MOUNT

Step 4: Mount the Fixture

1. Feed (aircraft) suspension cable through cable grippers and 2-piece coupling.
2. Screw cable grippers into the top of the driver housing.
3. Attach the bracket bar on the powered end to the junction box.
4. Feed suspension cables and cord through the canopy holes before securing to the junction box. (DO NOT secure canopies until step 6).
5. Level the fixture using the suspension cable and grippers on the fixture side (Suspension points can be adjusted at the end)
6. Secure canopies using the threaded end of cable assembly couplings.
7. Attach and secure strain relief to the power cord (whip), and press to fit strain relief into the canopy.

Step 5: Connect the Wires (Follow manufacturer labels as colors may differ)

INTEGRAL:

- 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.
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- Proceed to the next step.

REMOTE:

- Connect the Neutral Wire: Connect the black wire from the fixture to the power source black wire using the UL-certified connectors.
- Connect the Positive Wire: Connect the red wire from the fixture to the power source red wire using the UL-certified connectors.
- Proceed to next step.

Step 6: Secure the Connections

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

Step 7: Finalize Installation

1. Check that all connections are tight and that the fixture is stable.

Step 8: Test the Fixture

1. Once installed, restore power to the fixture to ensure it operates correctly.
2. Check for any issues with balance or stability.

FOR EMERGENCY (select models)

If wired correctly, the indicator light/button should be ON when AC power is supplied to the fixture, indicating that the emergency inverter battery is charging. Let the unit charge for 24 hours before putting it into full service. The self-testing emergency driver automatically performs required routine testing.