LED Lighting Fixture

SAVE THESE INSTRUCTIONS



BEFORE YOU BEGIN

Read and follow all safety instructions

⚠ WARNING







RISK OF FIRE, EXPLOSION AND ELECTRIC SHOCK

- This product should be installed, inspected, and maintained by a qualified electrician only, in accordance with the NEC (National Electric Code) and all local codes.
- Turn off electrical power before inspection, installation or removal.
- Use only UL (or other NTRL) approved wire for input/output connections. Minimum size 18 AWG or 14 AWG for continuous runs.
- Make sure LEDs and drivers are cool to touch when performing maintenance. Make sure the supply voltage is the same as the rated voltage of the luminaire.
- Do not install in a hazardous atmosphere, except where the ambient temperature does not exceed the rated operating temperature of the fixture.
- Keep tightly closed when in operation

Prepare Electrical Wiring



Electrical Requirements

- The LED driver must be supplied with the voltage specified on the product label and connected to an individual, properly grounded branch circuit protected by a 20 Ampere circuit breaker. Use min. 75°C supply.



Grounding Instructions

- The grounding and bonding of the overall system shall be done in accordance with NEC Article 600 and local codes

LED Linear Light

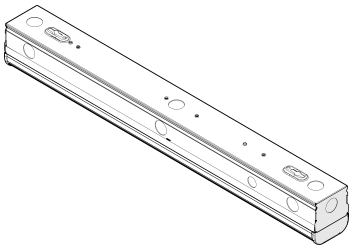
Installation Guide

Before starting:

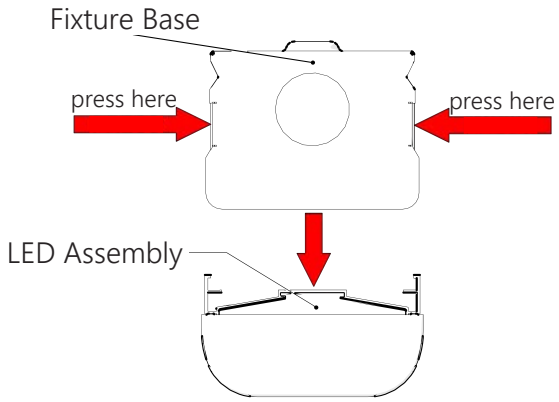
- Ensure that the supply power is shut off.
- Unpack the fixture and ensure that there are no damaged or missing parts

Tools Required:

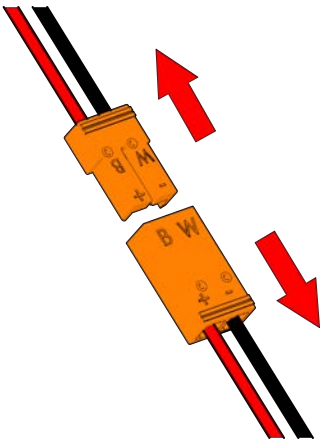
Screw Driver or Drill
Wire Strippers
Wire Cutters



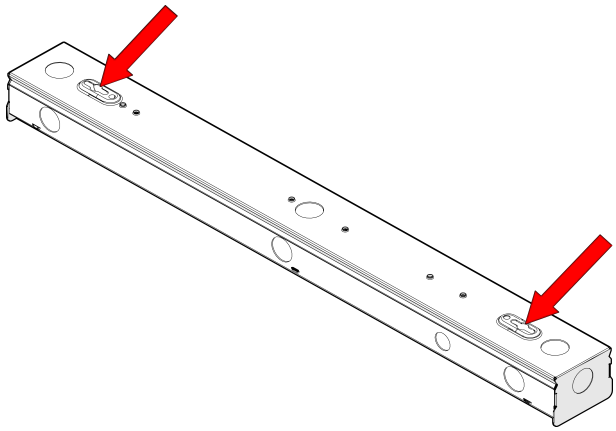
Standard Installation for 2ft/4ft Fixtures



Step 1: Detach the LED assembly by starting at one end of the fixture and pressing each side the base. Pull the LED assembly away from the base. Continue this along the entire fixture until the base and LED assembly are separated.

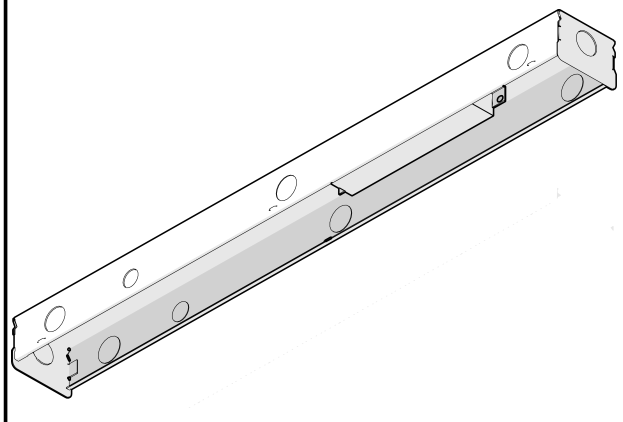


Step 2: After separating the base and LED assembly, disconnect the LED wires and safely set the LED assembly aside until the base is mounted and wired.



Step 3: Remove the appropriate knockout and pull the supply wires into the housing. Install the fixture base to the mounting surface using the two keyhole slots shown. (Hardware provided by others).

Refer to Page 13 for suspension mounting.

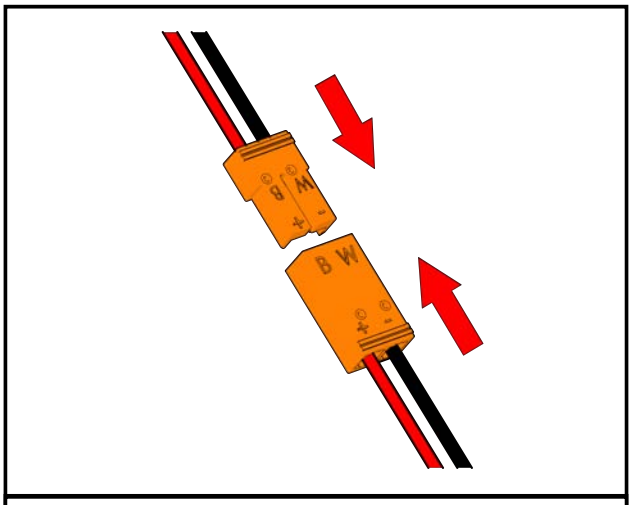


Step 4: With the fixture base installed, wire the fixture's LED driver to the branch power supply according to the wiring diagrams on Pages 4 and 5.

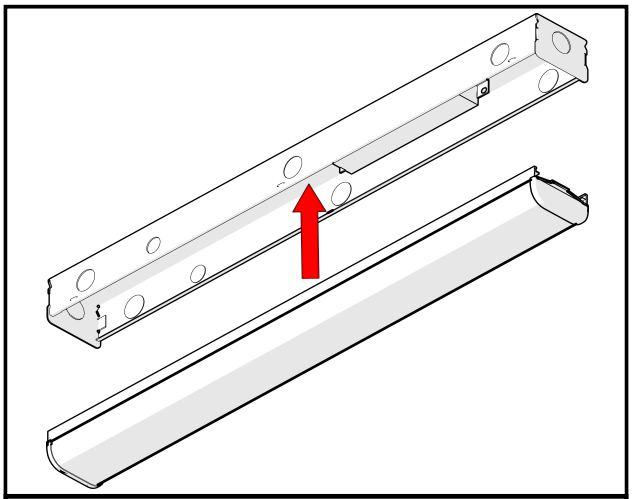
Follow the appropriate diagram if installing the EM version.

LED Linear Light

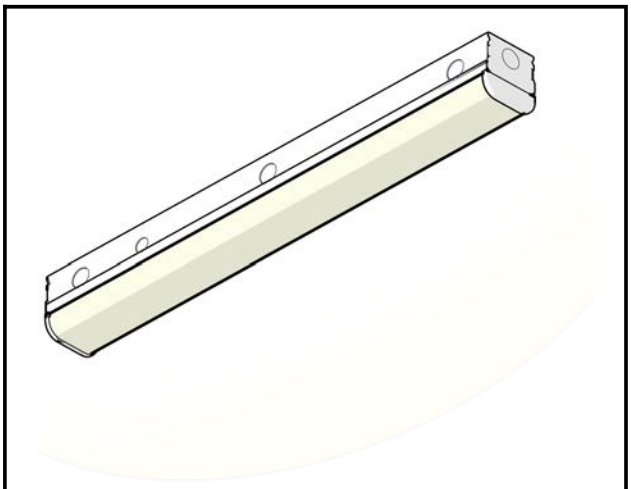
Installation Guide



Step 5: Reconnect the LED wires to the LED assembly.



Step 6: Reattach the LED assembly to the fixture base. The LED assembly should "click" into place.

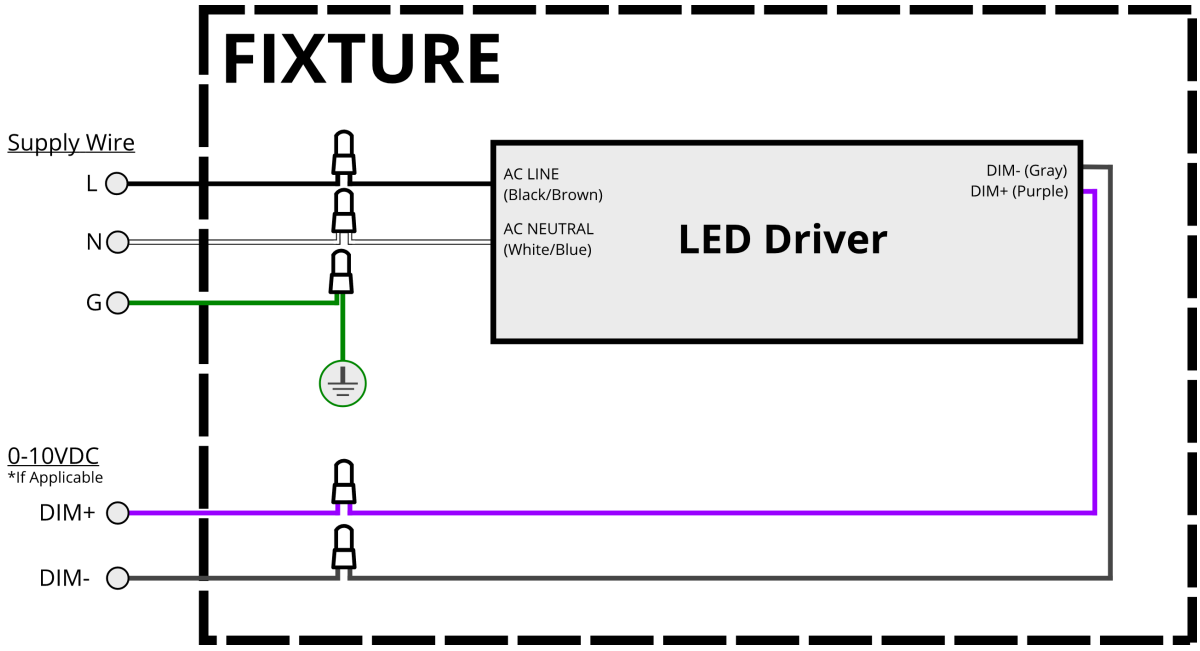


Step 7: Turn on the supply power and ensure the fixture works properly. If the fixture does not work, shut off supply power and recheck all electrical connections.
****WARNING: If inst**alling the EM version**, restore power to the unswitched line first and then the switched line**

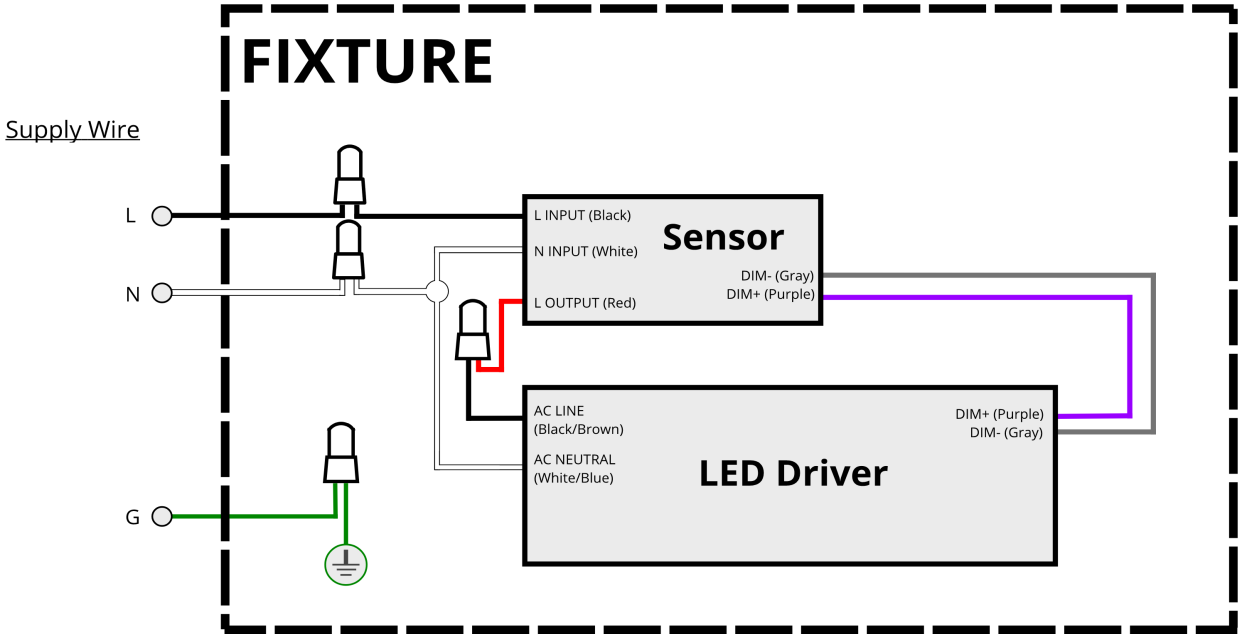
LED Linear Light

Installation Guide

Electrical Wiring Diagram



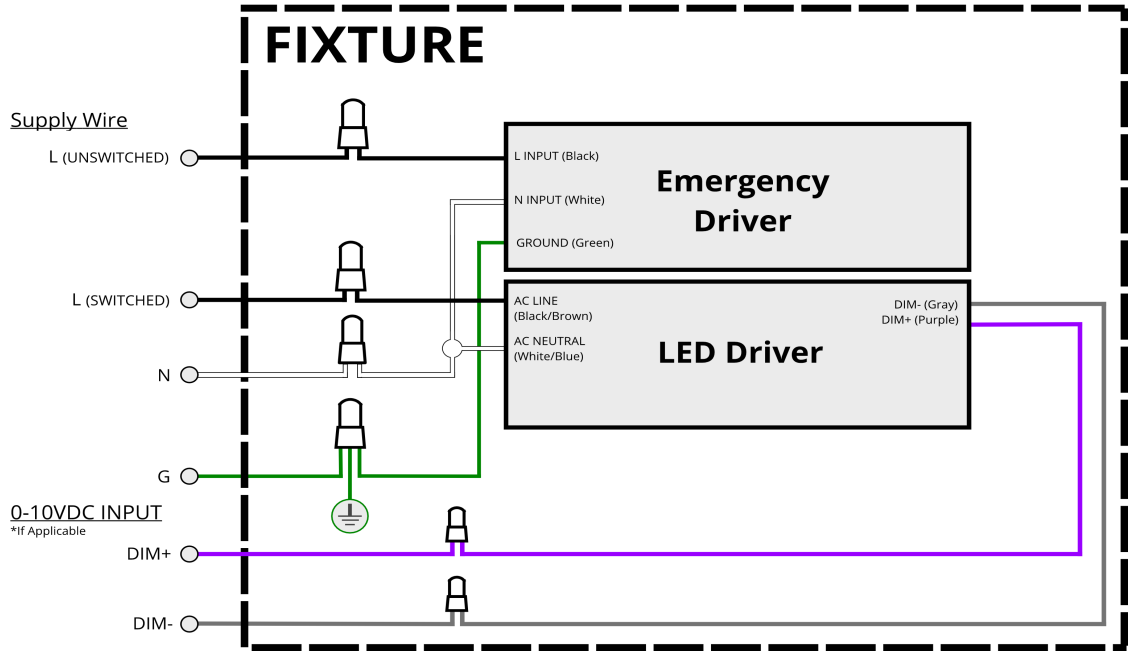
Electrical Wiring Diagram with Sensor



LED Linear Light

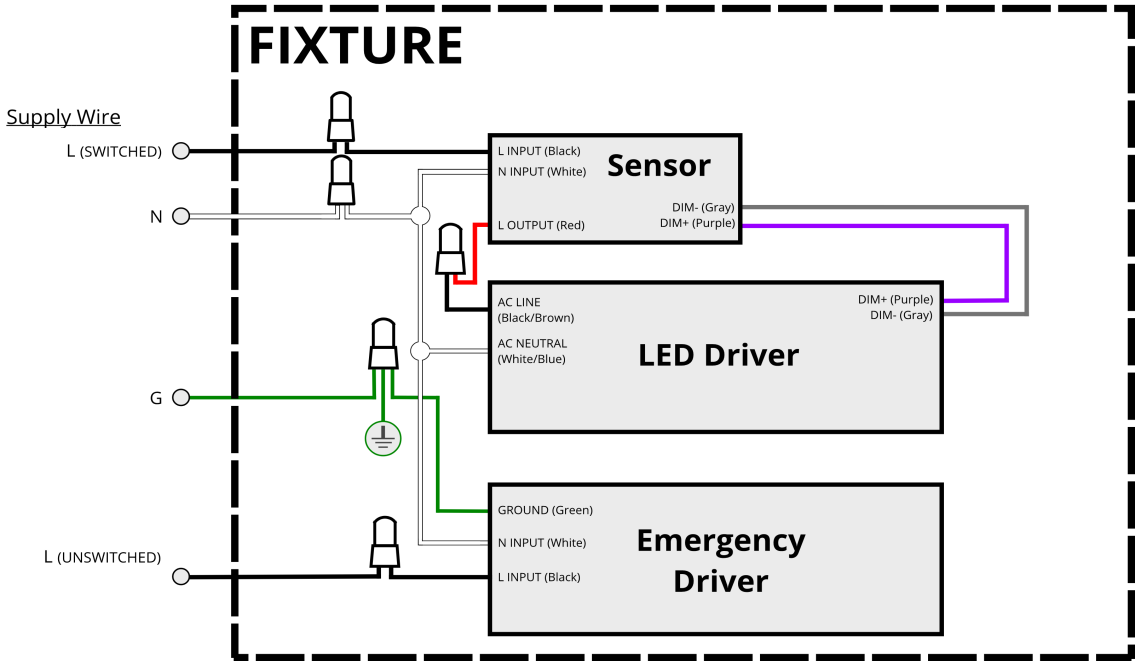
Installation Guide

Electrical Wiring Diagram with EM Backup



****WARNING: Do not supply AC power to the switched line until AC power is supplied to the unswitched line.**

Electrical Wiring Diagram with Sensor and EM Backup



****WARNING: Do not supply AC power to the switched line until AC power is supplied to the unswitched line.**

LED Linear Light

Installation Guide

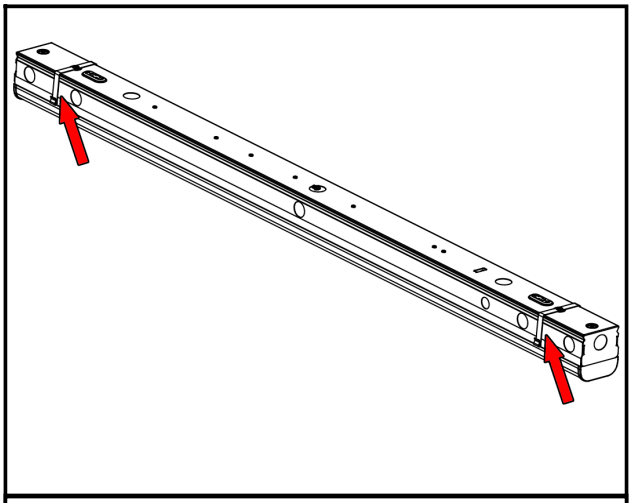
Before starting:

- Ensure that the supply power is shut off.
- Unpack the accessory and ensure that there are no damaged or missing parts

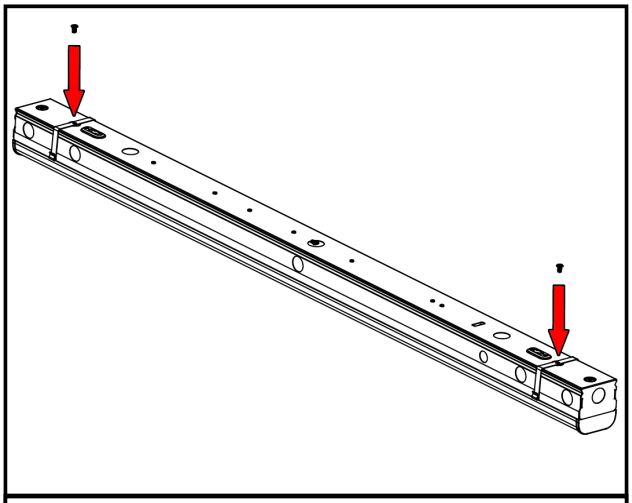
Tools Required:

Screw Driver

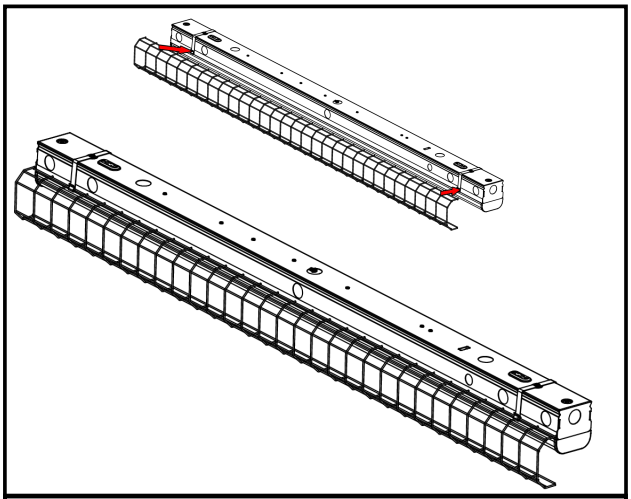
Wire Guard Installation for 4ft Fixtures



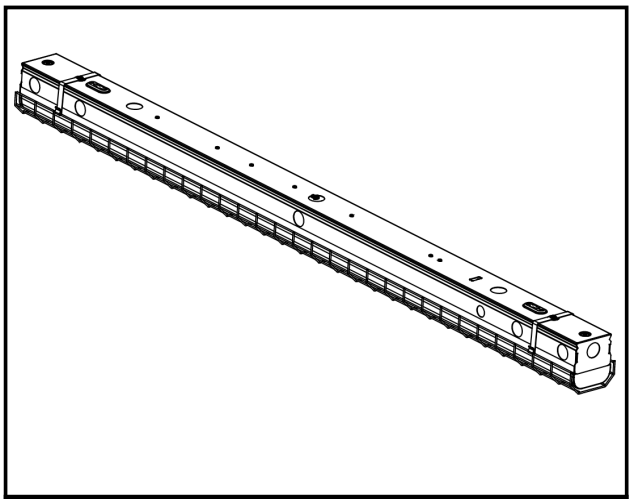
Step 1: If the fixture is already installed, remove it from the mounting surface.
Attach the wire guard brackets following the holes on the back of the fixture.



Step 2: Use the included screws to secure the wire guard brackets to the fixture.
Reinstall the fixture to the mounting surface.



Step 3: Align the wire guard to the wire guard brackets (the second slot on the left and right of the wire guard).



Step 4: Swing the wire guard over the lens and lock it onto the other side of the wire guard brackets.

LED Linear Light

Installation Guide

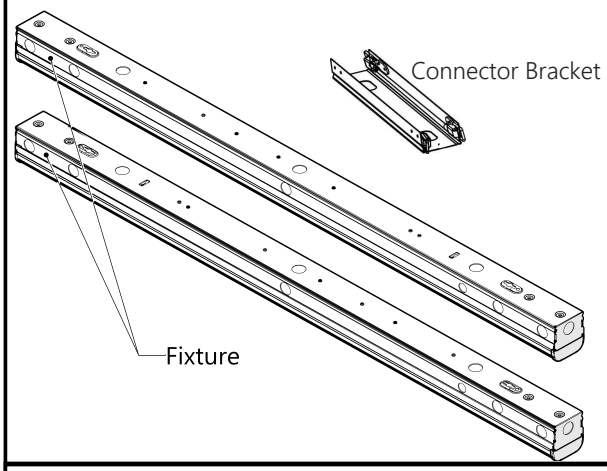
Before starting:

- Ensure that the supply power is shut off.
- Unpack the fixture and ensure that there are no damaged or missing parts

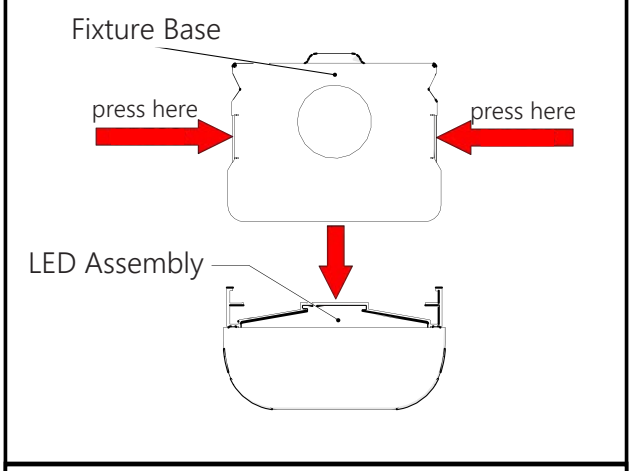
Tools Required:

Screw Driver or Drill
Wire Strippers
Wire Cutters

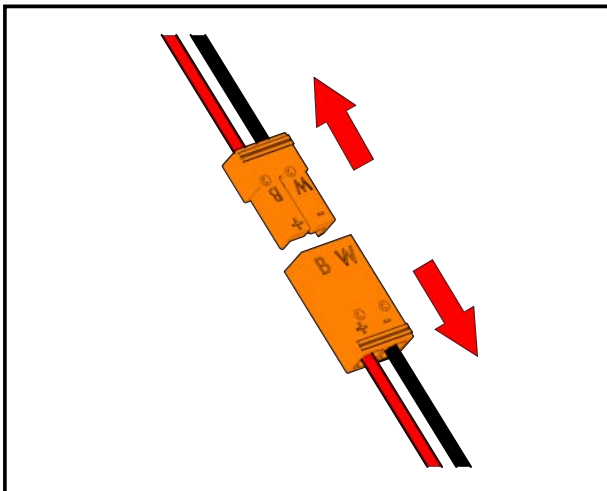
Standard Installation for 8ft Fixture



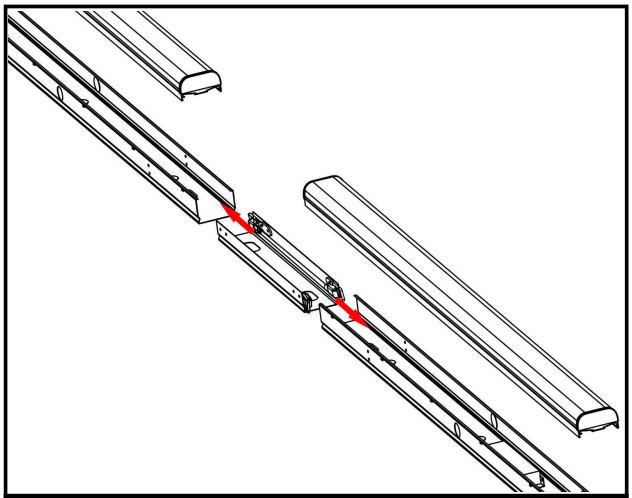
Step 1: Review the included parts shown above.



Step 2: Detach the LED Assembly by starting at one end of a fixture and pressing each side of the base. Pull the LED assembly away from the base. Continue this along the entire fixture until the base and LED assembly are separated. Repeat for second fixture.



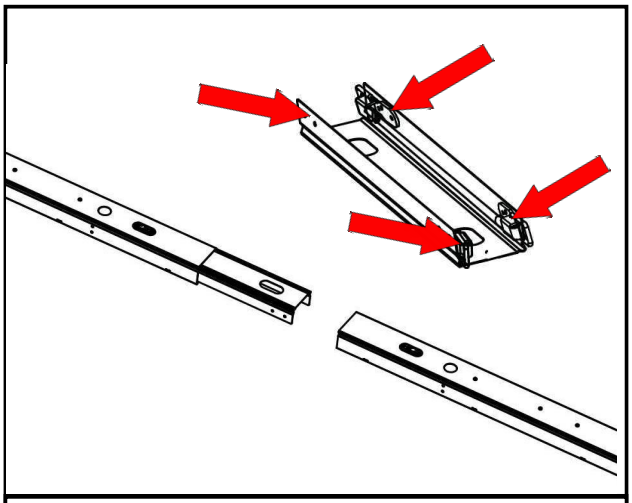
Step 3: After separating the bases and LED assemblies disconnect the LED wires and safely set the LED assemblies aside until the bases are mounted and wired.



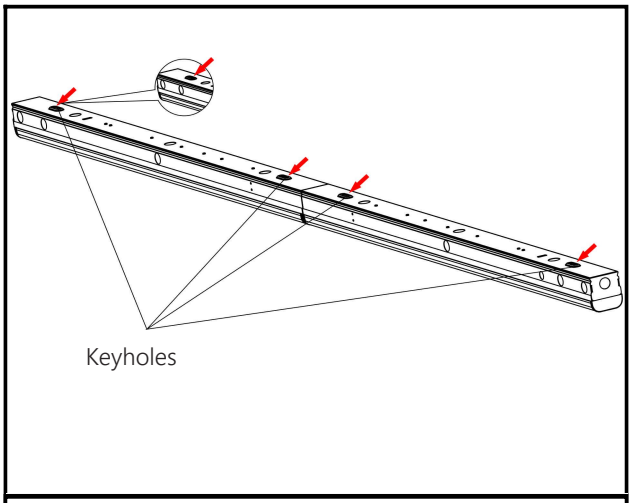
Step 4: Insert the connecting plate on the side of the luminaire without the side plate.

LED Linear Light

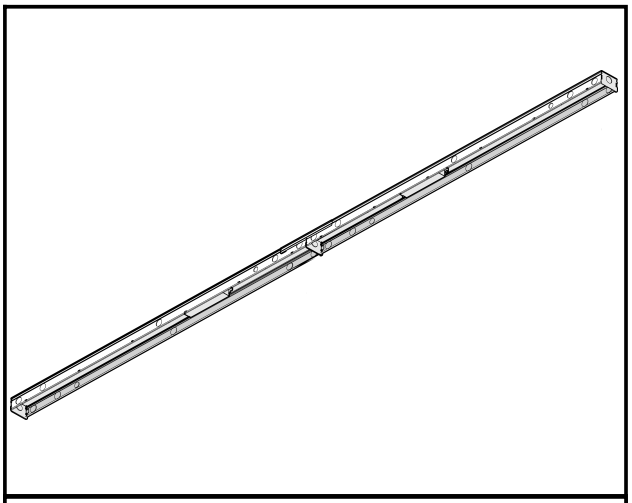
Installation Guide



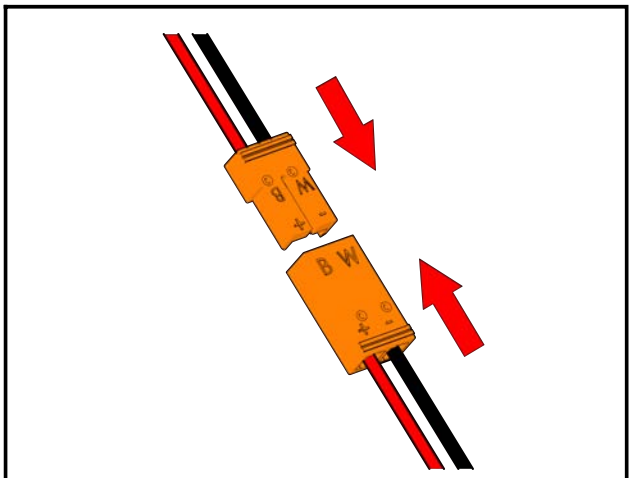
Step 5: Connect the two fixture bases together using the four latches on the connector plate.



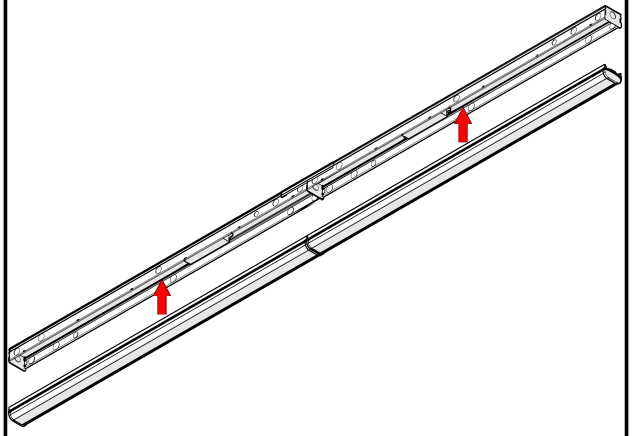
Step 6: Remove the appropriate knockout and pull the supply wires into the housing. Install the fixture base to the mounting surface using the four keyhole slots shown (Hardware provided by others).
Refer to Page 13 for suspension mounting.



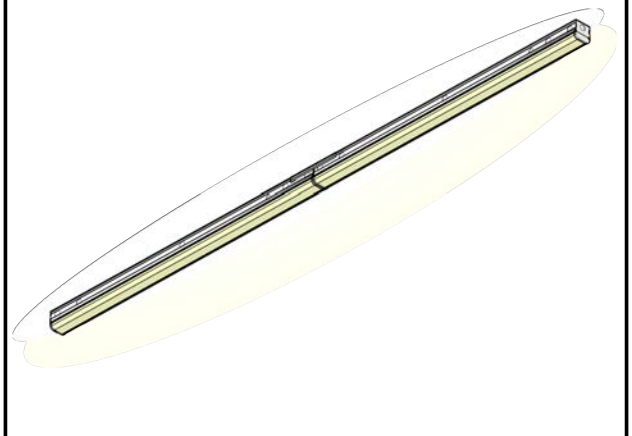
Step 7: With the fixture base installed, wire the fixture's LED drivers to the branch power supply according to the wiring diagrams on Pages 10 and 11.
Follow the appropriate diagram if installing the EM version.



Step 8: Reconnect the LED wires to the LED assemblies.
If installing the EM version, restore power to the unswitched line and then connect the EM battery plug to the EM driver.
(**Refer to** Page 1**2 for more info on the EM battery plug**)

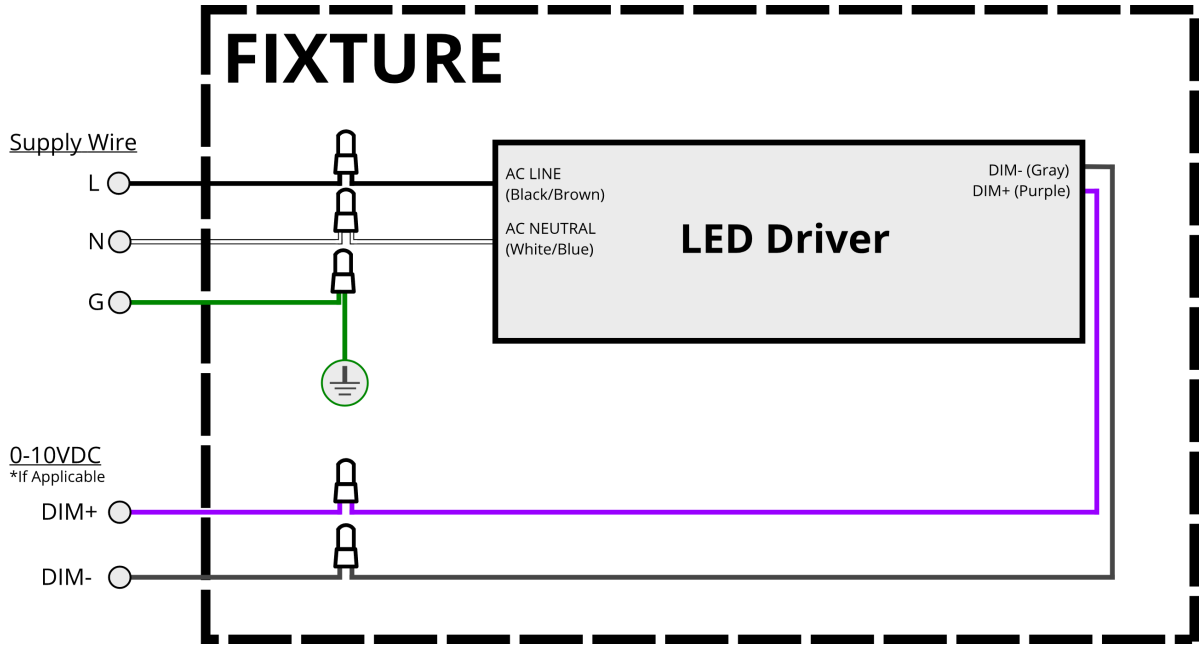


Step 9: Reattach the LED assembly to the fixture base. The LED assembly should "click" into place.

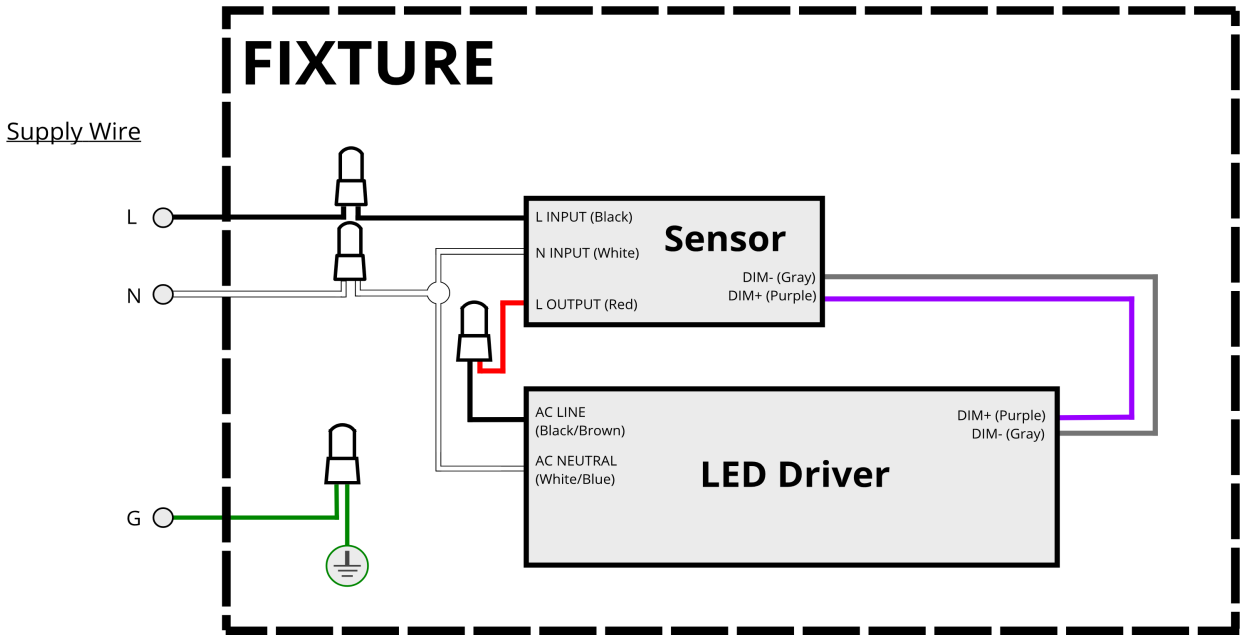


Step 10: Turn on the supply power and ensure the fixture works properly. If the fixture does not work, shut off supply power and recheck all electrical connections.

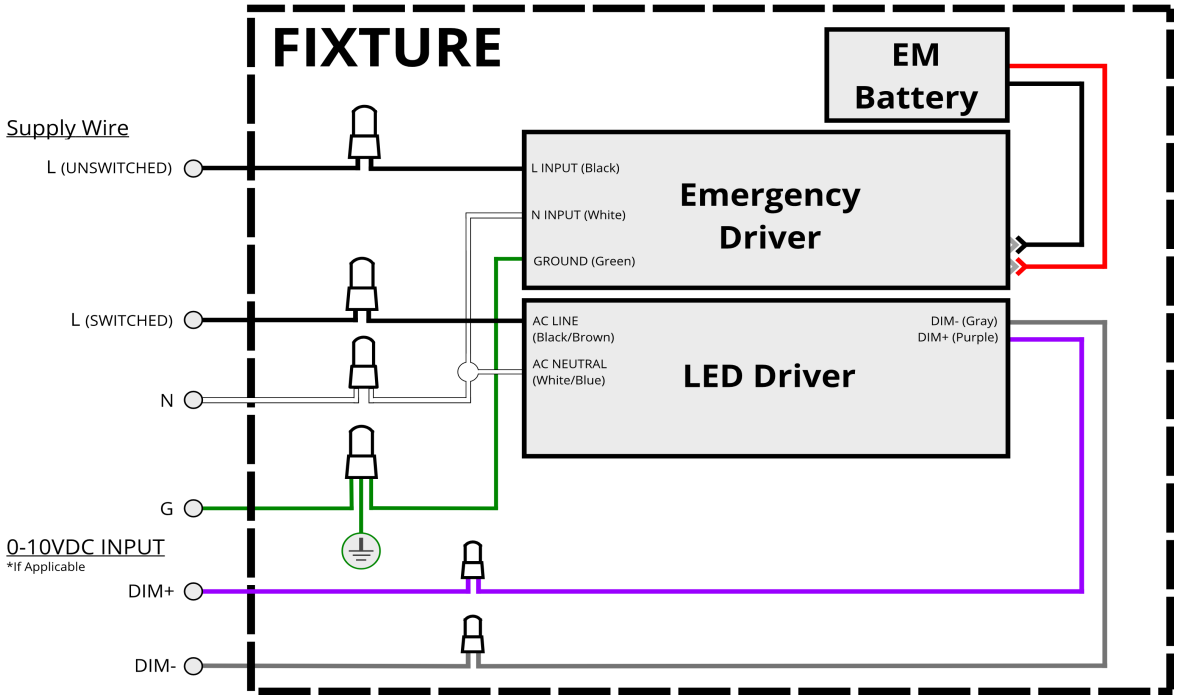
Electrical Wiring Diagram



Electrical Wiring Diagram with Sensor

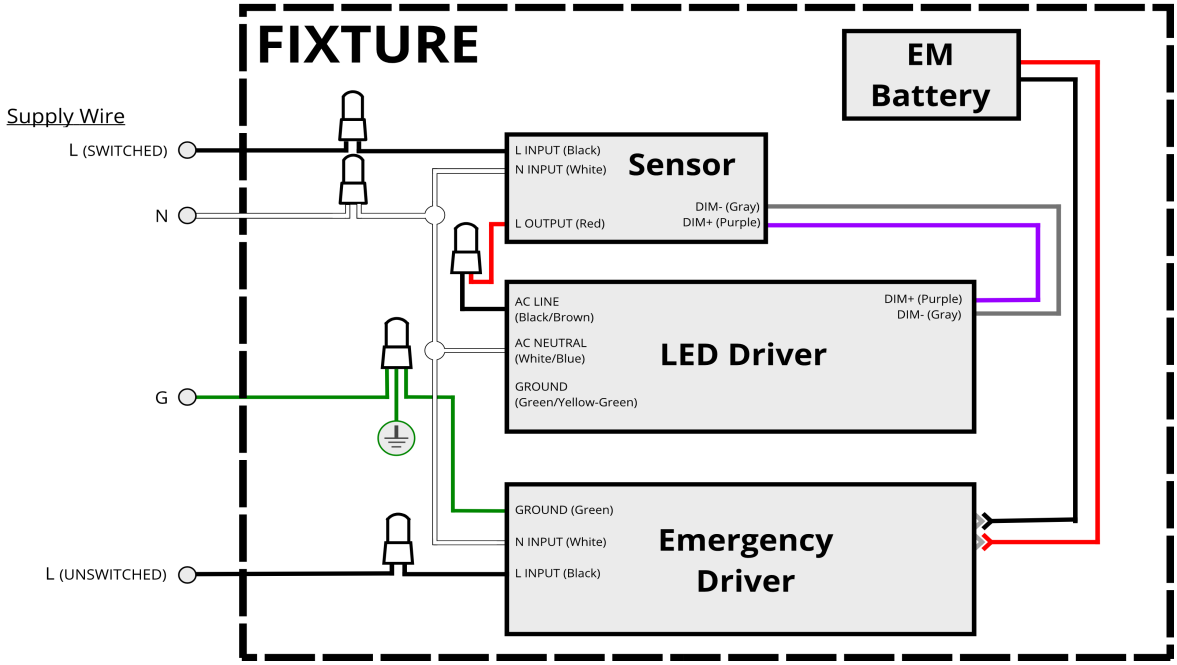


Electrical Wiring Diagram with 8W EM Backup



****WARNING: Do not connect the EM battery to the EM driver until AC power is supplied to the unswitched line.**
Refer to Page 12 for additional battery connection info.

Electrical Wiring Diagram with Sensor and 8W EM Backup



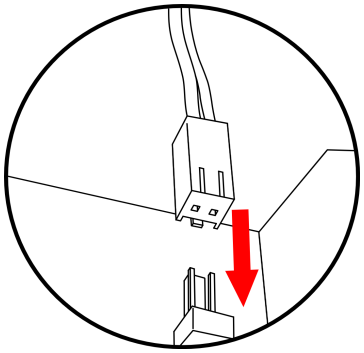
****WARNING: Do not connect the EM battery to the EM driver until AC power is supplied to the unswitched line.**
Refer to Page 12 for additional battery connection info.

EM Test Button Status Light Indicator

1. Charging – red light turned on
2. When EM is on – red light is turned off
3. When EM is damaged – red light is off/ red light is flashing/ the fixture is flashing
4. When pressing the test button – red light is **turned** off

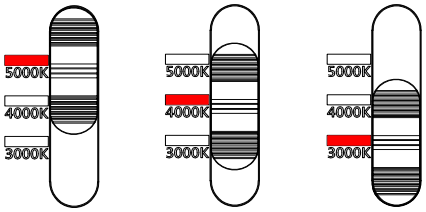
EM Battery Plug (8W EM ONLY)

1. **Once power is supplied to the EM driver from the unswitched line, connect the 2-pin female battery plug to the available dual male pins on the EM driver. Plug should "click" in place.**



Tunable Settings

For 2ft, CCT tuning available using the FAO controller. Adjust the three (3) position slide switch for desired CCT:



For 4ft or 8ft, Wattage and CCT tuning available on LED driver controller:

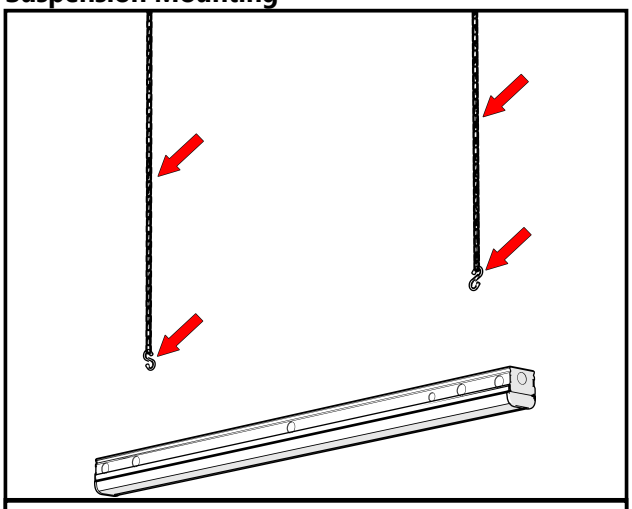
LED Driver Wattage Selector			
	Switch Position		
	HI.	ME.	LO.
LED-ST 4ft	45W	33W	22W
LED-ST 8ft	69W	50W	33W

LED Driver CCT Selector		
Switch Position		
5000K	4000K	3000K

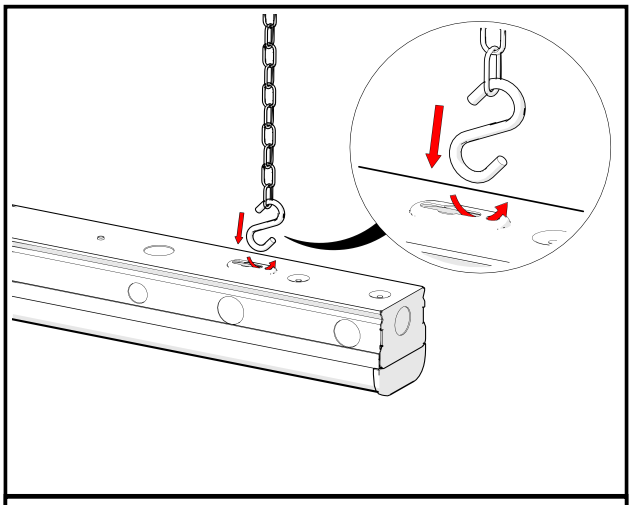
LED Linear Light

Installation Guide

Suspension Mounting



Step 1: Secure the chain accessories* to the ceiling, spaced appropriately based on the fixture size and keyhole slots available (Two chains for the 2ft and 4ft models. Four chains for the 8ft model). Attach an S-hook on the end of each chain.



Step 2: Attach each S-hook to the keyhole slots on the the fixture as shown.

***suspension mounting accessories sold separately**