

LED Cove Lighting System

(Product Codes: 73098, 73099, 73100, 73101, 73826, 74892, 75345, 75346, 75347)



BEFORE YOU BEGIN

Read these instructions completely and carefully.

WARNING

Risk of fire, electrical shock or injury. Observe the following instructions when installing this product.

- Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.
- Before installing, servicing or cleaning unit, switch power off at the service panel and follow appropriate lock out/tag out safety procedures.

PLAN YOUR INSTALLATION

Inspect the planned area for your installation and prepare a sketch and materials list for LED Cove fixtures, mounting tracks, leader cables and jumper cables.

FOR 120VAC INSTALLATIONS:

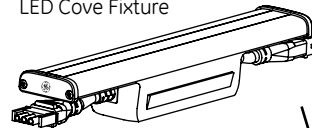
- No more than 200 LED Cove fixtures (~200 feet) are recommended to be run in series.

FOR 240VAC INSTALLATIONS:

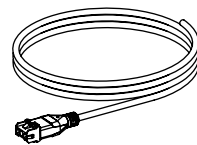
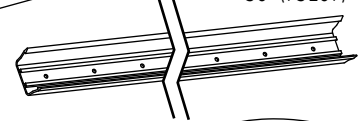
- No more than 330 LED Cove fixture (~330 feet) are recommended to be run in series.

LED Cove Fixtures, Mounting Tracks and Accessories

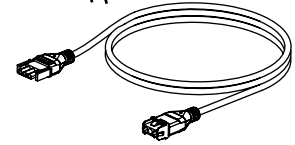
LED Cove Fixture



Mounting Track
0° (73105)
15° (73106)
30° (73107)

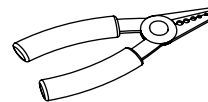


Leader cable
120V (73108, 75476)
240V (73617, 73618)



Jumper cable
120V (73109)
240V (73616)

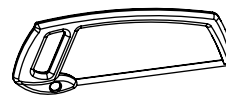
Tools Needed



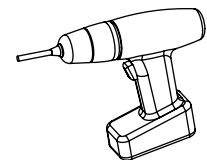
Wire stripper/cutter



Screw driver



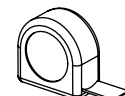
Hand saw



Power drill



16 AWG wire
connector



Tape measure



#10 Screws



imagination at work

Installation Guide

1

Install Mounting Tracks

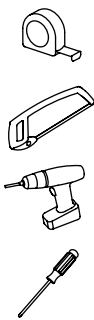
NOTE: Select and use same degree angle mounting track throughout entire installation.

Materials



- Position mounting tracks in cove. Maintaining a fixed distance between the mounting track and the wall being illuminated is critical for consistent appearance.
- Use a measuring tape or a spacing block to maintain a consistent distance between the wall and the mounting track.
- Maintain at least 0.5 inches (13 mm) between wall and mounting track.
- For curved sections or angles, cut and layout sections of mounting track spaced no less than 12 inches (305 mm) on center along profile of wall to achieve desired radius.

Tools

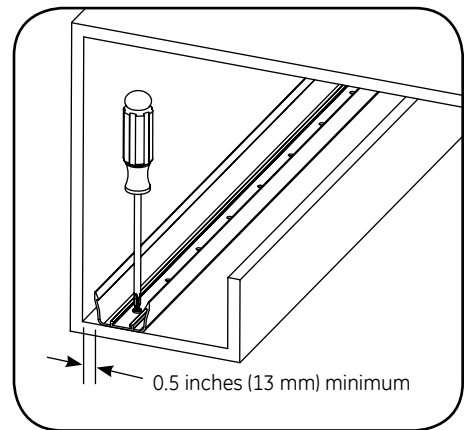
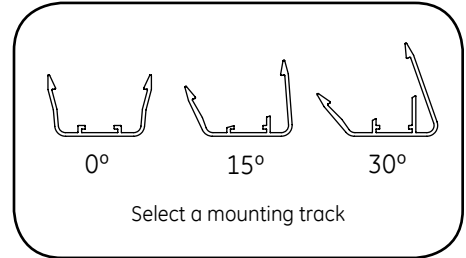


- A jumper cable can be placed between modules to provide a gap in a single run.
- Use a saw capable of cutting through 1/8-inch (3 mm) PVC to cut mounting tracks to length as needed.

CAUTION

Risk of injury. Ensure that hands are free from cutting area.

- Install a minimum of two #10 screws per cut section of mounting track to fix the track in place within the cove.



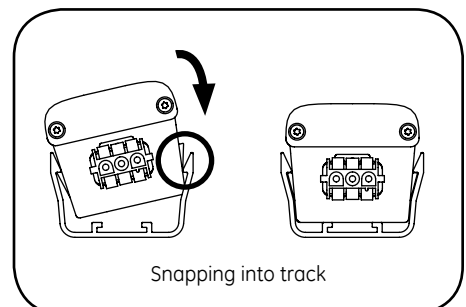
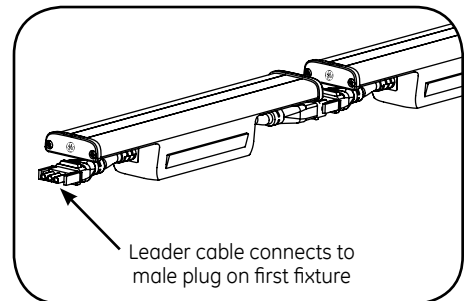
2

Install LED Cove Fixtures

Materials



- Unpack and layout LED Cove fixtures along the layout of the mounting track.
- Connect the leader cable to the male plug on the first LED Cove fixture.
- Connect LED Cove fixtures together in series with the male plug of the fixture at the start of the run. You may connect all LED Cove fixtures together before snapping into mounting tracks. This makes access to connections easier.
- Connect female plug to male plug of next fixture in series.
- Locate series of LED Cove fixtures along mounting track until you are satisfied with location and positioning of the fixtures. Use jumper cable as needed to work around any obstacles, corners or separations.
- Press down back end first, then front end to snap the LED Cove fixtures into the mounting track. Ensure both locks are engaged.

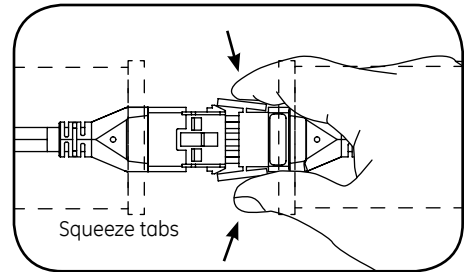
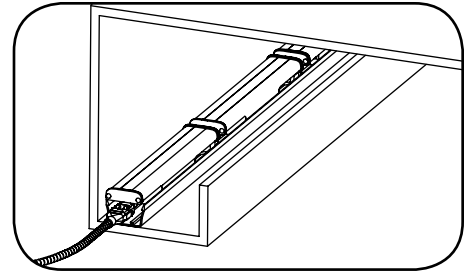


Installation Guide

- Work your way down the series of LED Cove fixtures, snapping them into place from the start to the end.
- To adjust LED Cove fixtures along track, uninstall them from the track by pushing the front of the track open to release the fixtures, then adjust and snap back into place.

NOTE: Do not pull on the fixtures once installed into the mounting track. This will place tension on connecting cables the fixtures may not tolerate.

- To separate fixtures, squeeze the tabs on the male/female plug connectors.



3

Prepare Electrical Wiring

Materials

Tools

Electrical Requirements

This device must be supplied with 120VAC/60Hz or 240VAC/50Hz and connected to an individual properly grounded branch circuit, protected by a 15 ampere circuit breaker.



Electrical connection of leader cable(s) to 120VAC or 240VAC must be prepared by a trained, qualified personnel following all applicable state and national regulations.

CAUTION
Risk of damage to unit. Do not use 120VAC fixture in a 240VAC circuit or a 240VAC fixture in a 120VAC circuit.

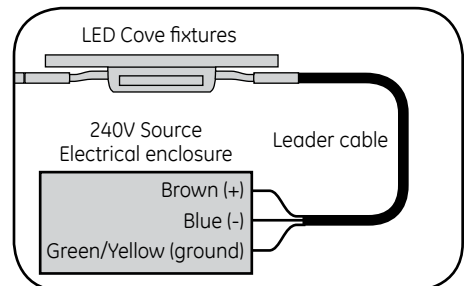
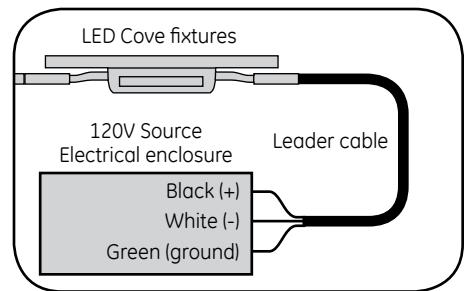
CAUTION
Risk of electrical shock. Disconnect power before install.

Circuits used for LED Cove fixtures may be switched or dimmed using standard electronic low-voltage (ELV) reverse phase control dimmers.

- The cut end of the leader cable will connect to the power source, while the female plug connects to the male connector on the first LED Cove fixture in the series.
- Cut leader cable to required length to go from power source to first fixture in series.
- Carefully strip back the outer insulation from the cut end of the leader cable exposing the three 16 AWG wires inside.
- Strip back the insulation on each of the wires 1/4-inch (6 mm) in order to attach to power source.
- Attach wires from leader cable to the following:

	120V	240V
- Line Voltage:	Black	Brown
- Neutral:	White	Blue
- Ground:	Green	Green/Yellow

- Energize the circuit and check the installation.



4 Troubleshooting

Symptom	Solution
All LED Cove fixtures are OFF	<ul style="list-style-type: none">• Check AC input connection and/or check circuit breaker.• Check male/female plug connectors on the LED Cove fixtures for improper connection(s) or short circuits.• Ensure leader cable is securely connected to the male plug connector on the first LED Cove fixture.
Some of the LED Cove fixtures are not illuminated	<ul style="list-style-type: none">• Check male/female plug connectors on the LED Cove fixtures for improper connection(s) or short circuits.• Ensure any jumper cables are securely connected between the male/female plug connectors of the LED Cove fixture.
Shadows within cove	<ul style="list-style-type: none">• Re-position LED Cove fixtures along mounting track and ensure fixtures are securely locked into position.• Adjust layout of mounting track to ensure uniformity of illumination within the cove.• Adjust leader cable and/or jumper cable orientation to ensure cables do not cover any LEDs.

For additional product and application information,
Please consult GE's Website: www.gelighting.com

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