

NLL SERIES

Models 8, 14, 22, 32 & 40

Line Voltage LED Undercabinet Fixture

Plug-in or Hard Wire, Linkable

Safety Precautions

Read all safety precautions and installation instructions carefully before installing or servicing this fixture. Failure to comply with these instructions could result in potentially fatal electric shock and/or property damage.

It is recommended that a qualified electrician perform all wiring. This fixture must be wired in accordance with all national and local electrical codes.

Do not handle an energized fixture or attempt to energize any fixture with wet hands or while standing on a wet or damp surface or in water.

Make sure that the power source conforms to the requirements of the fixture. (See labels on fixture housing).

To reduce the risk of electrical shock, and to assure proper operation, this fixture must be adequately grounded.

LED lamp and heat-sink are HOT when energized!

Do not touch LED light engine or heat-sink.

- **12-inch minimum spacing** distance from luminaire required for all objects located under fixture.

This fixture is to be used for general indoor lighting in dry locations only. Linkable total wattage is 200 Watts

This fixture is dimmable in the high (II) setting only. The following dimmers are approved for use to achieve smooth dimming down to 10% of full scale:

Leviton – 6633, 6681, 6621-WWP, 6631-WWP

Lutron – TG-600P, TG-603P

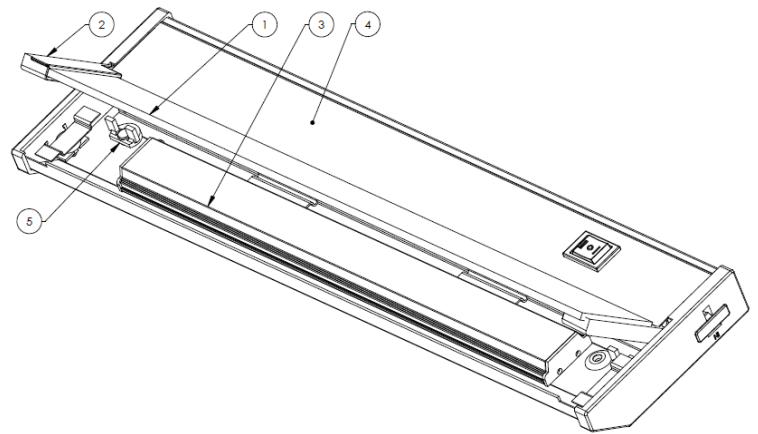
Legrand / Pass & Seymour – T600WV, WS700TCCCVG

Cooper – 6013W

Assembly Instructions

1. Preparation for Installation

- Disconnect electrical power** before installing or servicing any part of this fixture.
- Place fixture on a clean flat surface with lens (1) towards you.
- Open glass lens (1) by lifting both hinge tabs (2) at each end.
- LED Light Engine (3) is fixed, **DO NOT** remove or adjust.
- Determine input power method (Cord, Hardwire or Link) and follow corresponding directions below.



2. Cord to Outlet Installation

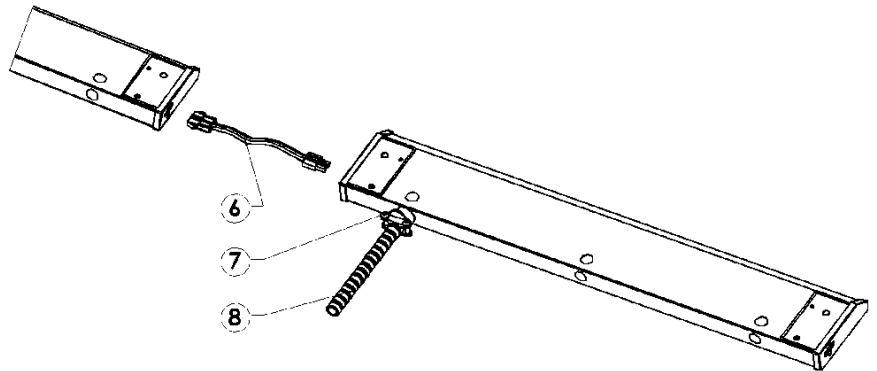
(Skip this step if using Hardwire or Link-to-Fixture Installation)

- Fixture must be mounted within 5' of an outlet. Locate the 5' power cord included in the box.
- Connect Cord to fixture by snapping the quick connect end of the cord to the corresponding connector in the end of the fixture marked "IN". The cord will only connect to the "IN" connector so make the right connector is identified. Do not force the connection, it should snap in easily.
- Follow the directions for Mounting and Lamping below.
- Once Mounting and Lamping are completed, plug the cord into the outlet.

3. Hardwire Installation Preparation

(Skip this step if using Cord to Outlet or Link-to-Fixture Installation to Power Unit)

- Discard Cord if Hardwire Installation is used.**
- Disengage cover (4) by rotating two retaining tabs (5). Rotate cover 90°.
- Remove appropriate 1/2" diameter knockout for supply wiring entry.
- Determine appropriate connector:
 - Cable connector (7) is included.
 - Flexible conduit BX (AC) 3/8" trade size cable (8) (not included).
 - Anti-short bushing (not included).
- Insert cable connector (7) into the housing open hole. Secure it with the nut.
- Determined the length of BX cable (8) and add about 8" (tbd) for the stripping purposes. Cut the required length of the cable. Trim away the insulation. Push the exposed wires (hot, neutral and ground) through the anti-short bushing and slide this bushing all the way down to the exposed wires until it is snug up against the armor.
- Follow the directions below for Mounting, and then proceed to Hardwire Installation Completion.



4. Link-to-Fixture Installation

(Skip this step if using Hardwire or Cord to Outlet Installation.)

- A. First fixture in series can be Corded or Hardwired
- B. Second fixture must be located within 12" of first fixture.
- C. Make sure power is off on all fixtures. The fixture switch should not be engaged in either direction.
- D. Connect the Linking cord (6) to the "Out" connector of the first fixture and into the "In" connector of the second fixture.
(The connectors are keyed to only fit one way. Do not force the connections, they should snap in easily.)
- E. Follow directions in Mounting Section.
- F. Once mounting is completed, replace lens and energize the first fixture. (Each fixture is controlled individually.)

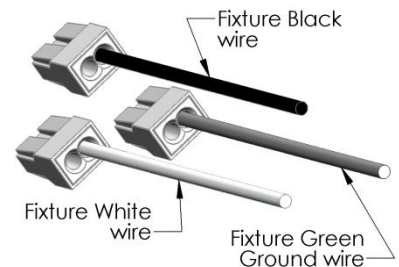
Note: Injury to persons and damage to the mounting surface may result if the fixture or mounting hardware is pulled from the mounting location. To reduce the possibility of such injury, be sure to mount the fixture only on a surface that is mechanically, structurally sound.

4. Mounting

- A. Using captive screw hole locations for mounting the fixture, position the fixture in location intended for mounting. Mark hole locations by using the screw-holes as a guide. Drill suitable holes in the marked positions. Mount the housing to desired surface with the four captive screws.

6. Hardwire Installation Completion

- A. Connect the Green ground input supply wire to the fixture Green ground wire. Do this by inserting it into the open hole in the push-in wire connector (included) that is attached to the Green ground wire in the fixture.
- B. Connect the White input supply wire to the fixture White wire. Do this by inserting it into the open hole in the push-in wire connector (included) that is attached to the White wire in the fixture.
- C. Connect the Black input supply wire to the fixture Black wire. Do this by inserting it into the open hole in the push-in wire connector (included) that is attached to the Black wire in the fixture. **Do not mix wires or change polarity.**
- D. Pull on each wire lead to make sure connections are secure. Make certain no bare wires are exposed outside of the wire connectors.
- E. To close cover- Carefully arrange wires so they do not get pinched and rotate cover against channel. Secure cover under housing lances.



Limited Factory Warranty

AFX Lighting, Inc. warrants this fixture is free from defects in materials and workmanship when installed and used under normal operating conditions for a period of 5 years from date of purchase. This warranty covers all component parts and extends only to replacement of defective fixture or components; it does not cover failure due to improper installation, misuse, mishandling or damage incurred in transit.