

Installation Instructions

NL1N

L-Line LED Linear Series

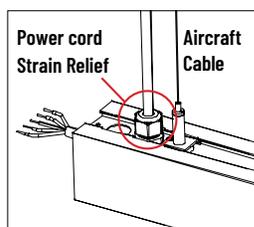
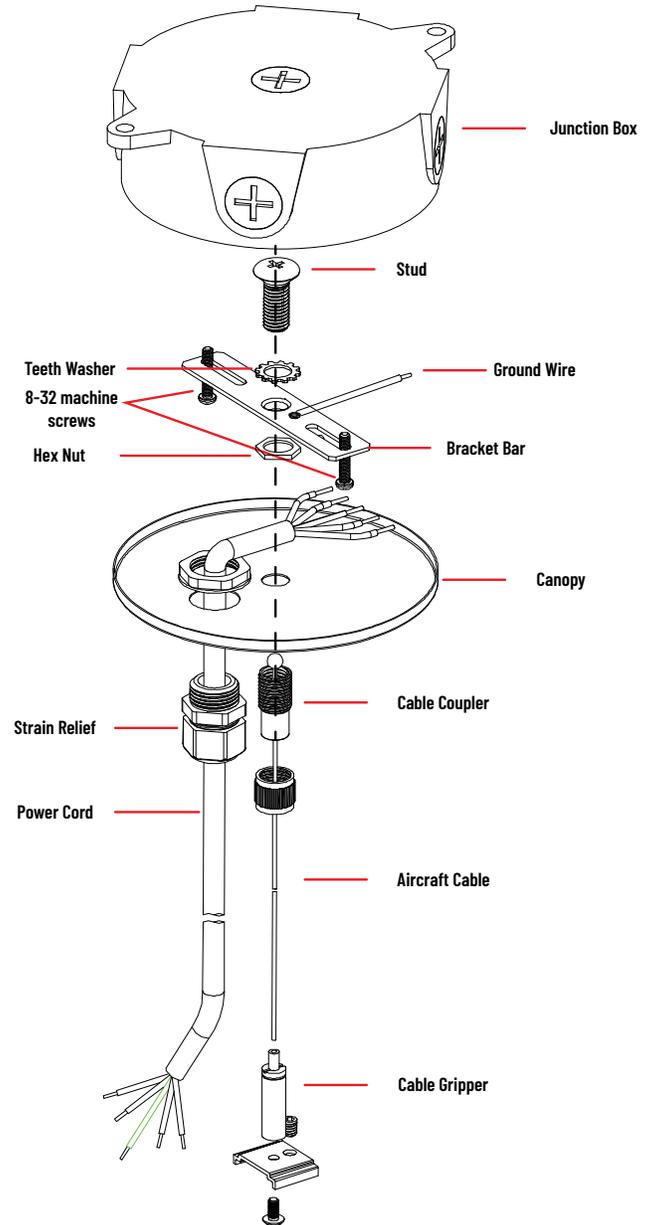
READ PRIOR TO ATTEMPTING INSTALLATION
ALWAYS TURN OFF MAIN POWER BEFORE INSTALLATION
INSTALLATION SHOULD BE CARRIED OUT BY YOUR LOCAL ELECTRICIAN

⚠ FIRE/ELECTRICAL HAZARD: INSTALL ACCORDING TO NATIONAL ELECTRIC CODE AND ANY APPLICABLE MUNICIPAL CODE REQUIREMENTS. - This equipment is intended to be installed only by qualified personnel. The installation must be made in accordance with the current edition to the National Electric Code and all applicable state and local building codes. The final installation must be approved by the appropriate qualified electrical/building inspector(s). Improper installation may result in a fire or electrical hazard. Be sure the electrical power to the circuit has been disconnected before installing this electrical system.

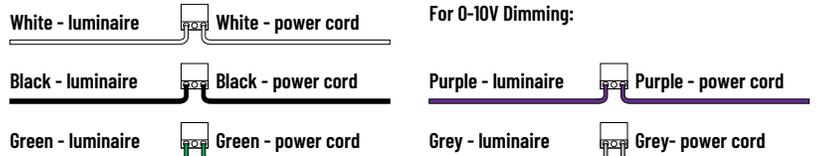
⚠ RISQUE D'INCENDIE / D'ÉLECTRICITÉ: INSTALLER SELON LE CODE ÉLECTRIQUE NATIONAL ET TOUTES LES EXIGENCES RELATIVES AU CODE MUNICIPAL APPLICABLE. - Cet équipement est destiné à être installé uniquement par du personnel qualifié. L'installation doit être faite conformément à l'édition actuelle du Code national de l'électricité et de tous les codes de construction locaux et nationaux applicables. L'installation finale doit être approuvée par un ou plusieurs inspecteurs qualifiés en électricité / bâtiment. Une installation incorrecte peut entraîner un incendie ou un risque électrique. Assurez-vous que l'alimentation électrique du circuit a été déconnectée avant d'installer ce système électrique.

INSTALLATION FOR PENDANT MOUNTING:

1. Ensure electrical power is off.
2. Ensure the length of the support wire is acceptable.
3. Put teeth washer on the stud, and tighten the stud on the bracket bar with the hex nut on the other side. Then secure the bracket bar to the junction box with two 8-32 machine screws. (min. 12mm long)
- NOTE:** Power cord canopy has two holes, and aircraft canopy (non-power) has one hole.
4. Run power cord through strain relief and canopy from the bottom, adjust the wire length, and tighten the strain relief. Secure the strain relief on the canopy with lock nut, and cut wires to provide min. 6" pigtail above canopy.
5. Connect the wires on the canopy to the wires on the junction box, using wire nuts. Black to black, white to white, and ground to ground. For 0-10V dimming, connect purple wire to purple wire and grey wire to grey wire.
6. Put a ground wire ring between the bracket bar and the canopy, and secure the canopy with a nut.
7. Insert aircraft cable into the cable coupler. Secure aircraft cable coupler on threaded stud. Insert the other end of the aircraft cable into cable grippers. (To adjust the cable length, pull cable through the gripper or depress the top cylinder on the gripper).
8. Secure the gripper body to the base of cable gripper with screw and slide the base into the slot on the top of luminaire.
- NOTE:** Knockouts are not intended for conduit connection.
9. Break the second knockout from the end. Run the other side of the cord through another strain relief and the knockout. Secure the strain relief on the luminaire with lock nut.
- NOTE:** Do not remove male connector (10 wires)
10. Remove the female connector (5 wires) of the luminaire by cutting the wires.
11. Strip the wires 11mm/0.43in, and connect the wires on the luminaire to the wires on the cord using compact splicing connectors. White to white, ground to ground, black to black, purple to purple, and grey to grey.
12. Push the connectors into the luminaire.
13. For the non-power canopy side, put a screw in the cable coupler, and mount it on the ceiling with the canopy using auger screw. Run aircraft cable all the way through the mini gripper, so that the stopper goes on top of the mini gripper.
14. Secure the mini gripper in the cable coupler. Insert the other end of the aircraft cable into cable grippers.
15. Secure the gripper body to the base of cable gripper with screw and slide the base into the slot on the top of luminaire.
16. Close and secure end caps with screw on top.



ELECTRICAL CONNECTIONS:



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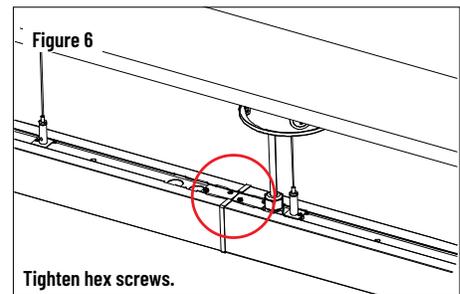
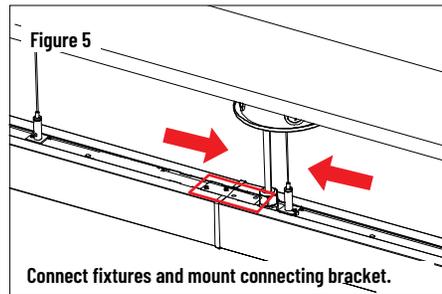
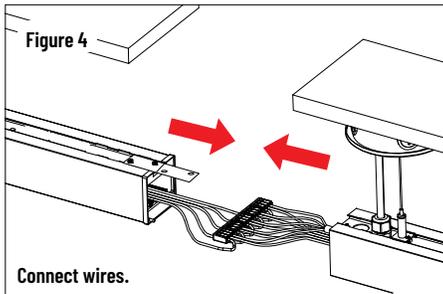
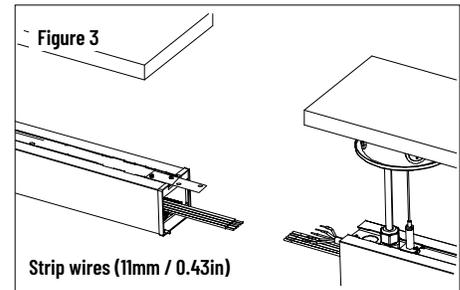
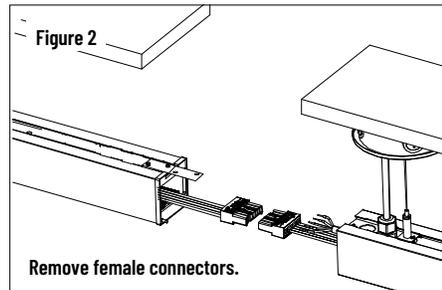
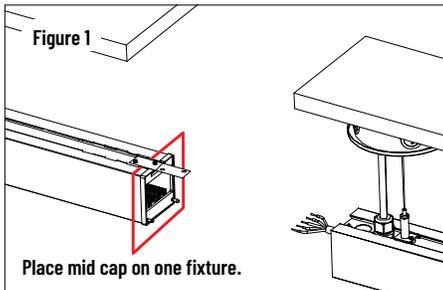
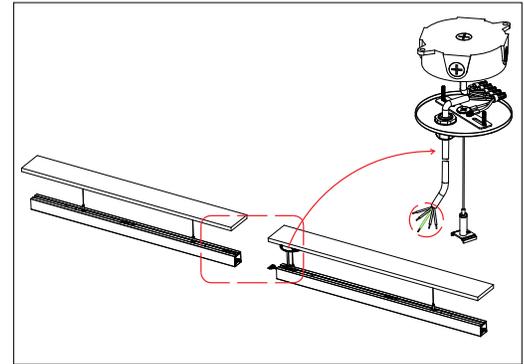
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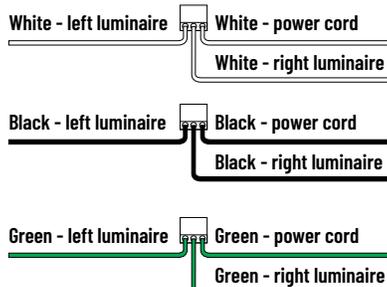
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INSTALLATION FOR DAISY CHAINING FROM POWER SIDE:

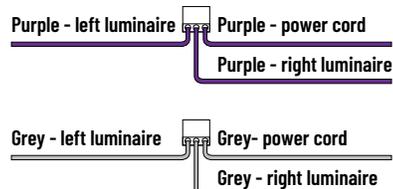
1. Ensure electrical power is off.
2. Remove end caps from luminaires, and run power cord from pendant mounting kit. (Page 1)
3. Place a mid cap on one luminaire. Slide the connecting bracket through the mid cap slot and tighten hex screws. (Figure 1)
4. Remove the white female connectors (5 wires) on both luminaires by cutting the wires. (Figure 2)
5. Strip the wires 11mm/0.43in, and connect the wires to the compact splicing connectors provided with the power cord. (Figure 3)
White to white, ground to ground, black to black, purple to purple, and grey to grey. For 0-10V dimming, connect purple to purple and grey to grey wire. (Figure 4)
6. Insert the connecting bracket onto one luminaire and carefully slide the other luminaire into the taps on mid cap. (Make sure the lens go inside of the mid cap.) (Figure 5)
7. Slide connecting bracket through both luminaires and tighten hex screws. (Figure 6)



ELECTRICAL CONNECTIONS:



For 0-10V Dimming:



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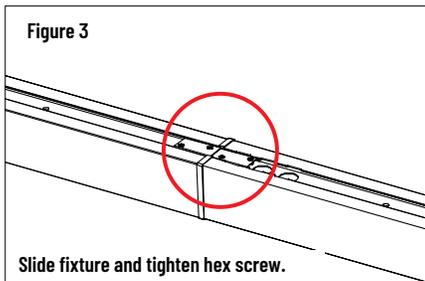
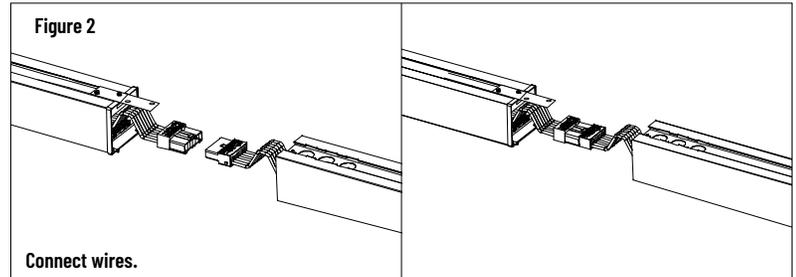
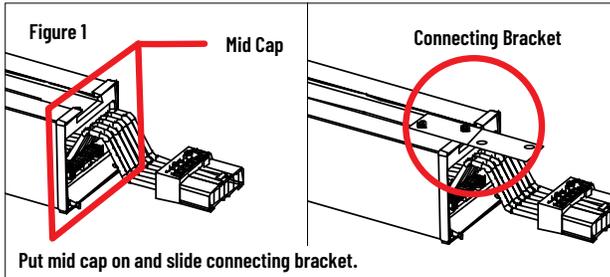
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INSTALLATION FOR CONNECTING MULTIPLE LUMINAIRES (MAX. 80ft):

NOTE: Do not remove male connector (10 wires). If you have two male connectors facing each other at the end of your layout, do not connect electrical wires.

1. Ensure electrical power is off.
2. Remove end caps from luminaires, and place a mid cap on one luminaire. Slide the connecting bracket through the mid cap slot and tighten hex screws. (Figure 1)
3. Connect the male and female connectors, then insert the connectors into a luminaire. (Figure 2)
4. Carefully slide the other luminaire into the connecting bracket and taps on mid cap. (Make sure the lens goes inside of the mid cap.)
5. While holding the luminaires together, tighten the other two hex screws on the connecting bracket. (Figure 3)



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INSTALLATION FOR SURFACE MOUNTING:

1. Ensure electrical power is off. **NOTE:** Knockouts are not intended for conduit connection.
2. Remove end caps. (Figure 1)
3. Break knockouts. (Figure 2)
4. Insert bushing into the knockout. (Figure 3)
5. Slide the junction box cover onto the top of the luminaire. (Figure 4)
6. Run the power cord through the junction box cover and the knockout. (Figure 5) **NOTE:** Do not remove male connector (10 wires)
7. Remove the female connector (5 wires) off the luminaire by cutting the wires.
8. Strip the wires 11mm/0.43in, (Figure 6) and connect the wires on the luminaire to the wires on the cord using compact splicing connectors. (Figure 7)
White to white, ground to ground, black to black, purple to purple, and grey to grey.
9. Push the connectors into the luminaire.
10. Cut the other side of cord, if needed, and connect the wires of the power cord to the wires on the junction box. Also connect ground wire on junction box cover to the junction box. Black to black, white to white, and ground from both cord and junction box cover to ground. For 0-10V dimming, connect purple to purple and grey to grey wire. (Figure 8)
11. Pull the lens carefully starting from one end to the other. (Figure 9)
12. Carefully take out plugs on the LED board. (Figure 10)
13. Carefully insert mounting screws through the plug holes and mount the luminaire to the surface with auger screws. (Figure 11)
14. Carefully place the plugs back on the LED board, and put the lens back in. (Figure 12)
15. Use the plastic end caps provided to close the ends. (Figure 13)

