

Installation Instructions

URGENT: READ PRIOR TO ATTEMPTING INSTALLATION

NPD SERIES LED PANEL LIGHT

ALWAYS TURN OFF MAIN POWER BEFORE INSTALLATION

INSTALLATION SHOULD BE CARRIED OUT BY YOUR LOCAL ELECTRICIAN.

Item No.	Description
NPD-E14	1' x 4' LED Panel Light
NPD-E22	2' x 2' LED Panel Light
NPD-E24	2' x 4' LED Panel Light

PLEASE READ: Important Information Before Installation

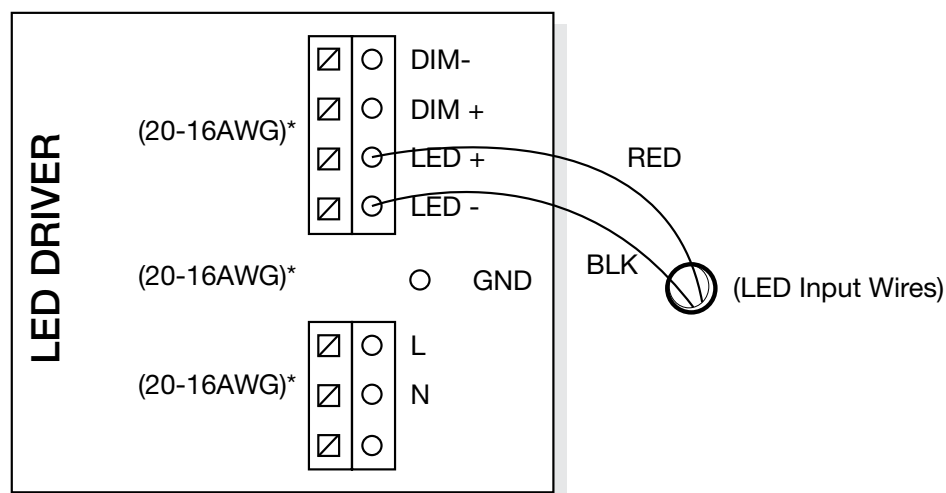
This equipment is intended to be installed only by qualified personnel. The installation must be made in accordance with the current edition to the National Electric Code and all applicable state and local building codes. The final installation must be approved by the appropriate qualified electrical/building 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.

1. Review the diagrams thoroughly and disconnect all electrical power before installation to avoid electric shock.
2. Do not mount near flammable materials or electric heaters.
3. Do not let power supply cords touch hot surface.
4. Fixture is for indoor and dry location, Do not use for outdoor location.
5. The fixture shall be installed or maintained by qualified electrician or person who is familiar with the luminaires.

On-Off Wiring Steps:

1. Open the cover of junction box.
2. Connect the DC wire of panel light and power supply. Red to red(v+), black to black(v-), to LED+ and LED- of the terminal block.
3. Remove round knock-out and connect conduit or Romex to wiring box with proper connectors. AC input connect neutral to AC-N, the line connect to AC-L, and ground connect to the green wire. It's recommended to use 16GA pigtails from the terminal block to the respective power supply wires.
4. 0-10V Dimmable Wiring.
5. Connect low voltage leads from 0-10V dimming devise to respective DIM+ and DIM- of the terminal block.

Universal voltage driver permits operation at 120V thru 277V, 50 or 60Hz. 0-10V control wires must be rated for 300V minimum.



*Must add pigtail or jumper wire into the ACL and ACN terminal if wish to use a wire larger than 16AWG for both AC and Neutral Line

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NOTE: REQUIRES 0-10V DIMMER. SEE DIAGRAM

Recessed Installation Steps:

1. Turn all power off before installation.
2. Connect driver to power source.
3. Insert LED Panel into T-Bar, face down.
4. Align Panel with edge of T-Bar. Turn clip 90° counter clockwise to secure Panel.

(Clip has hole for wire or cable support required by some local codes.)

Recessed Flange Kit Mounting Steps:

1. Use flat head screwdriver to slightly open up mounting holes on channels.
2. Insert L-bracket into mounting holes on channel by slightly tapping L-bracket with a hammer.
- (make sure not to bend L-bracket or channel)
3. Assemble 4 sides together
4. Insert assembled unit into the cut-out opening and secure tightly against ceiling using structure above
5. Go to Step 1 above

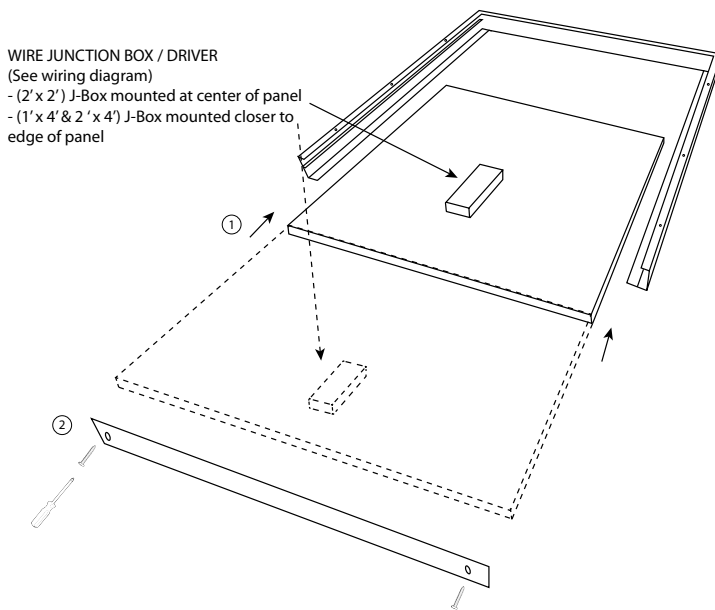
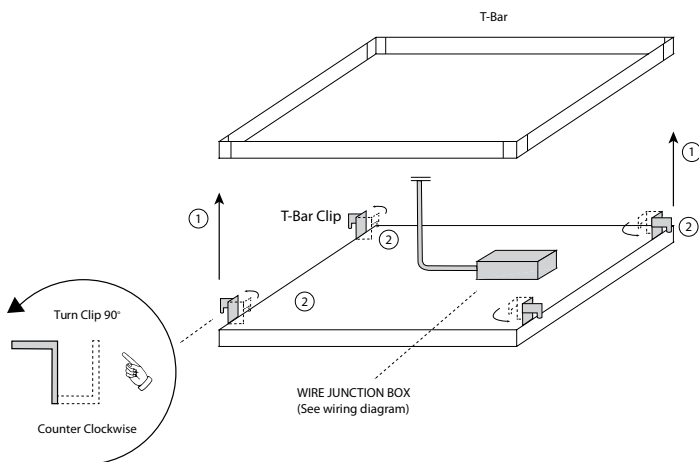
Surface Mount Installation Steps:

1. IMPORTANT: Frame should be positioned over J-Box (by others) so as not to interfere with J-box on back of LED Panel.
2. Position 3 sides together making sure to use two sides with mounting holes. Mount 3 sided frame to ceiling making sure the power supply box does not interfere with driver box on back of panel. It is recommended that the power supply/j-box is mounted off-center of frame.
3. Make electrical connections to LED Panel according to local electrical codes.
4. Slide LED Panel into frame and attach 4th side of frame.

(The J-Box or flex lead CANNOT be in the center location of the surface frame)

Pendant Mount Installation Steps:

1. Turn all power off before installation.
2. Attach wire grippers to back of panel.
3. Measure desirable wire length and then feed wire through each wire gripper.
4. Install universal pendant mount to ceiling.
5. Hard wire the power cable attached to canopy to the power source.
6. Secure canopy to the universal bracket mount via two screws.
7. Feed power cable into junction box and hard wire the driver.
8. Level the panel by fine tuning the length of wire by pressing the strain reliefs at the canopy and feed the wire in or out as necessary. Cut excess wire after final adjustment.



NPD-PK Series

