

LED Backlit Panel

Commercial LED Backlit Panel for Retrofit and New Construction

Installation Guide for 701975-4WN221

General Information

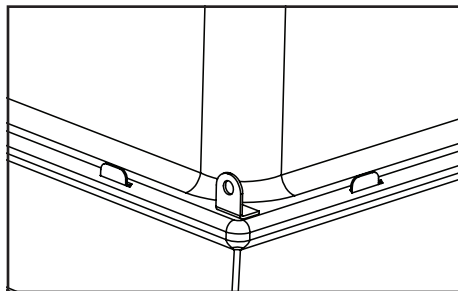
- LED Backlit Panel is non-dimming and should not be installed to a dimming circuit.
- Removing diffuser is not necessary during installation. No serviceable parts are inside.
- Light source of luminaire is not replaceable; when light source reaches its end of life, whole luminaire shall be replaced.

FOR YOUR SAFETY

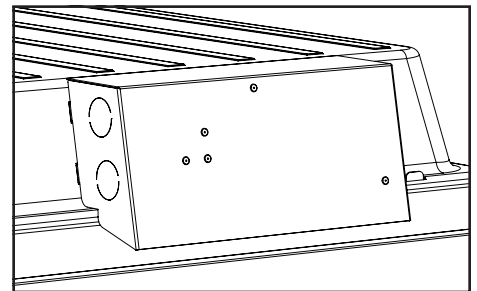
- Read and observe all NOTES, CAUTIONS, and WARNINGS shown throughout these instructions.
- Installation to be performed by licensed electrician.
- LED Backlit Panels are intended for indoor, dry, and damp locations only.
- Gloves and safety glasses or goggles should be worn while performing installation.
- Electrical specifications per luminaire: 100-277 VAC, 50/60 Hz.
- WARNING – Risk of fire or electric shock. Disconnect branch power before installation.
- WARNING – To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Knockouts are standard 1/2" (12.7 mm) Trade/Hub size.
- Ensure adequate strain relief for any through-wiring applications in junction box, suitable for 12 AWG (2.5 mm²) cords, per local code.
- Ensure suitability of cable type and size per local code.
- Through-wiring is suitable for up to six (6) 12 AWG conductors, rated 90° C minimum, maximum 16 A per circuit.
- Use UL approved strain reliefs suitable for application and per local code.
- Tighten strain relief per manufacturers specifications.
- Cap all unused wires.

Installation

WARNING! Risk of electrical shock. Turn off power to branch circuit at main breaker panel prior to installation. All primary wiring must be performed by a licensed electrician.



1. Attach support cables (not provided) to each of four corner locations on luminaire.



2. Remove junction box from housing, as required, and remove appropriate knockouts for application.

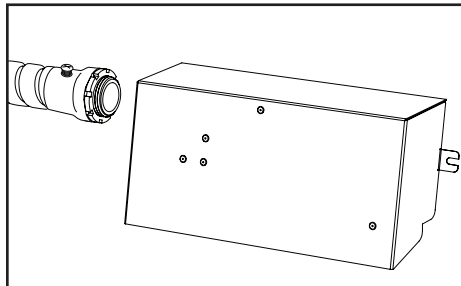
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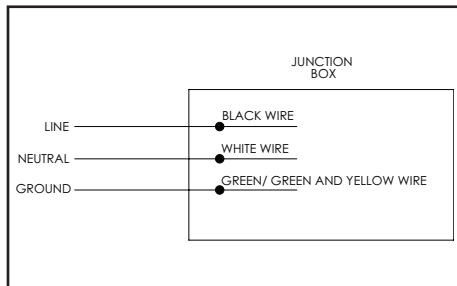
PAGE 2 OF 2

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Installation (Cont.)

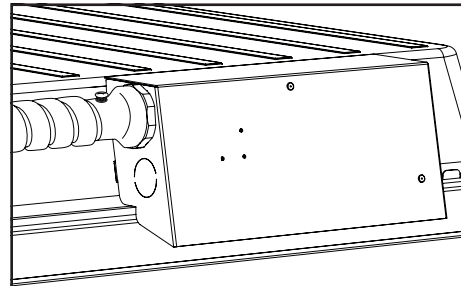


3. Attach 1/2" (12.7 mm) conduit to junction box per local NEC code.



4. **To make electrical connections:**
Use UL listed quick disconnect or push in connectors according to your local electrical code.

- Connect supply line from branch circuit to **Black** wire.
- Connect neutral line from branch circuit to **White** wire.
- Connect grounding wire from branch circuit to **Green** or **Green and Yellow** grounding wire.



5. Replace junction box on housing. Return power to ON position and verify that light is functioning properly. Close ceiling.

Troubleshooting

Light will not turn on.

Light flickers.

Light appears dim in one section.

- Verify power to branch circuit has been restored. If it has, then move on to next steps.
- Verify primary voltage is between 100-277 VAC.
- Remove power from circuit for next verification steps.
- Remove junction box and verify wiring is connected properly:
 - a) Neutral to White wire
 - b) Line to Black wire
 - c) Earth Ground to Green/Green and Yellow wire
- Secure junction box onto fixture.
- Re-energize light, if it is still not operational, move on to next steps.
- **CAUTION:** When working with live high voltage, experienced and licensed personnel should perform following steps:
 - Verify current and voltage output from power supply while branch circuit is attached using a clamp meter.
DO NOT CUT ANY WIRES.
 - a) Using a clamp meter, verify output current from power supply. NOTE: This is a DC power source; specific meters must be used to measure Direct Current. Current should measure at 1.200A +/- 0.060A.
 - b) Using a clamp meter, verify output voltage from power supply. Voltage range should be 23.2 V +/- 0.8 V.
 - If light fails to light, replace light.
- Check that there are no shorts in secondary wiring.



Customer service and technical support

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