Nora Lighting NPDBL-E22/334W

Nora Lighting NPDBL-E22/334W Cobalt Series 2' x 2' Commercial LED Panel

INSTRUCTION MANUAL

Introduction

This manual provides essential instructions for the safe installation, operation, and maintenance of the Nora Lighting NPDBL-E22/334W Cobalt Series 2' x 2' Commercial LED Panel. Please read this manual thoroughly before installation and retain it for future reference. Proper installation and adherence to these guidelines will ensure optimal performance and longevity of your LED panel.

Safety Information

WARNING: Risk of electric shock. Disconnect power at the circuit breaker or fuse box before installation or servicing. Improper installation can result in electric shock or fire.

- All electrical connections must be made in accordance with local and national electrical codes.

- Installation should be performed by a qualified electrician.

- Ensure the supply voltage is compatible with the fixture's requirements (120-347V).

- Do not install in areas with excessive moisture or direct water exposure unless specifically rated for such conditions. This fixture is cULus listed for damp locations.

- Do not attempt to modify the fixture. Any modifications may void the warranty and create safety hazards.

- Handle the LED panel with care to prevent damage to the light source or housing.

Product Overview

The Nora Lighting NPDBL-E22/334W Cobalt Series LED Panel is a high-performance commercial lighting solution designed for various indoor applications. It features a durable aluminum construction and offers versatile lighting options.

Key Features:

- **Versatile Lighting:** Adjustable color temperature ranging from 3000K to 4000K to suit different ambiances.

- **Efficient and Long-lasting:** Delivers 3500 lumens with a color rendering index (CRI) of 80, ensuring vibrant colors and an impressive 60,000-hour lifespan.

- **Universal Power Input:** Accepts a wide range of voltages from 120V to 347V for flexible installation.

- **Dimmable Design:** Equipped with 0-10V dimming capability, allowing for precise light level adjustments down to 5%.

- **Durable Construction:** Constructed of aluminum for enhanced durability.

- **Damp Location Rated:** cULus listed for use in damp locations.

An overhead view of the Nora Lighting NPDBL-E22/334W Cobalt Series 2' x 2' Commercial LED Panel, showcasing its flat, square design suitable for ceiling installation.

Setup and Installation

Installation of this commercial LED panel should be performed by a qualified electrician in compliance with all applicable electrical codes. The fixture is designed for ceiling mount installation.

Installation Steps (General Guidelines):

1. **Prepare the Installation Area:** Ensure the ceiling opening is appropriate for a 2' x 2' panel. Verify that the ceiling structure can support the weight of the fixture (approximately 15 lbs).

2. **Disconnect Power:** Turn off power at the main circuit breaker before beginning any electrical work. Verify power is off using a voltage tester.

3. **Mount the Fixture:** Secure the LED panel to the ceiling structure using appropriate mounting hardware (not included, or as per specific installation kit instructions). Ensure the fixture is firmly seated and stable.

4. **Electrical Connections:**
   - Connect the AC power supply wires (Line, Neutral, Ground) from the junction box to the corresponding wires on the LED panel. This fixture accepts 120V-347V input.

- For 0-10V dimming functionality, connect the low-voltage dimming wires (Dim+ and Dim-) from the LED panel to a compatible 0-10V dimmer switch. Ensure polarity is correct.
- Secure all wire connections with approved wire connectors.

5. **Final Assembly:** Carefully tuck all wires into the junction box and ensure no wires are pinched. Complete any remaining assembly steps as per specific mounting instructions.

6. **Restore Power:** Once installation is complete and all connections are secure, restore power at the circuit breaker.

Operating Instructions

The Nora Lighting NPDBL-E22/334W LED Panel is designed for straightforward operation once properly installed.

Power On/Off:

Turn the light fixture on or off using the wall switch connected to the power supply circuit.

Dimming Function:

If connected to a compatible 0-10V dimmer switch, adjust the dimmer control to achieve the desired light output. The fixture can be dimmed down to 5% of its full brightness.

Color Temperature Adjustment:

The fixture offers adjustable color temperatures (3000K, 3500K, 4000K). Depending on the specific model variant, this adjustment may be made via a switch located on the fixture itself or through an optional remote control. Refer to any additional documentation provided with your specific unit for details on CCT adjustment.

Maintenance

The Nora Lighting NPDBL-E22/334W LED Panel requires minimal maintenance. Regular cleaning will help maintain its appearance and light output.

- **Cleaning:** Ensure power is disconnected before cleaning. Use a soft, dry, or slightly damp cloth to wipe the surface of the panel. Do not use abrasive cleaners, solvents, or cleaners containing ammonia, as these can damage the finish or optical components.
- **Inspection:** Periodically inspect the fixture for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician for repair.
- **LEDs:** The integrated LED light source is designed for long life and is not user-replaceable.

Troubleshooting

If your Nora Lighting LED panel is not functioning correctly, refer to the following common issues and solutions:

- **Light does not turn on:**
    - Check if the power supply is connected and active at the circuit breaker.
    - Ensure all electrical connections are secure.
    - Verify the wall switch is in the 'ON' position.
- **Light flickers or dims unexpectedly:**

- Ensure the dimmer switch is compatible with 0-10V dimming.
- Check for loose wiring connections.
- Verify the input voltage is stable and within the specified range.

- **Incorrect color temperature:**
    - If applicable, check the CCT adjustment switch on the fixture or the remote control settings.

If troubleshooting steps do not resolve the issue, contact Nora Lighting customer support or a qualified electrician.

Specifications

Feature	Specification
Model Number	NPDBL-E22/334W
Brand	Nora Lighting
Dimensions (L x W x H)	24 x 24 x 1.34 inches
Item Weight	15 pounds
Material	Aluminum
Color	White
Light Source Type	LED
Wattage	30W
Voltage Input	120V-347V
Brightness	3500 Lumens
Color Temperature (CCT)	3000K, 3500K, 4000K (Adjustable)
Color Rendering Index (CRI)	80
Average Rated Hours	60,000 hours
Dimming	0-10V Dimming (down to 5%)
Installation Type	Ceiling Mount
Indoor/Outdoor Usage	Indoor
Certifications	cULus Listed for Damp Locations

Warranty Information

The Nora Lighting NPDBL-E22/334W Cobalt Series LED Panel is covered by a **5-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the official Nora Lighting warranty policy or contact customer support.

Customer Support

For technical assistance, warranty claims, or further information regarding your Nora Lighting product, please contact Nora Lighting customer support directly. You can typically find contact details on the manufacturer's official website or through your point of purchase.
Manufacturer: Nora Lighting