Broan-NuTone QTNLEDA

Broan-NuTone QTNLEDA LunAura Bathroom Fan, Light, and LED Nightlight Combo Instruction Manual

Model: QTNLEDA

1. Product Overview

The Broan-NuTone QTNLEDA LunAura is a multi-functional unit designed for bathroom and home use, integrating an exhaust fan, a main fluorescent light, and an LED nightlight. This unit is engineered to provide ventilation, illumination, and a soft ambient glow, enhancing comfort and functionality in spaces up to 100 square feet. Its design features a white enamel grille that blends with various decors and is ENERGY STAR qualified for energy efficiency.

2. Important Safety Information

Read and understand all instructions before installing or operating this product. Failure to follow these instructions may result in electric shock, fire, property damage, or personal injury.

- Always disconnect power at the service panel before wiring or servicing this unit.
- All wiring must be performed by a qualified electrician in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
- This unit is intended for general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
- To reduce the risk of fire, electric shock, or injury to persons, observe the following:
  - Use this unit only in the manner intended by the manufacturer.
  - Before servicing or cleaning, switch power off at the service panel and lock the service disconnecting means to prevent power from being switched on accidentally.
  - Do not use this product in a cooking area.
- Ensure the installation location provides adequate structural support for the unit's weight.

3. Package Contents

Verify that all components are present and undamaged before beginning installation.



Image 1: The Broan-NuTone QTNLEDA unit, showing the main housing, exhaust duct adapter, and a fluorescent bulb. This image illustrates the primary components included in the package.

- Broan-NuTone QTNLEDA Fan/Light/Nightlight Unit
- Exhaust Duct Adapter (for 4" or 6" round duct)
- Fluorescent Light Bulbs (typically two 18-Watt bulbs)
- Installation Hardware (e.g., joist hangers, screws)
- Instruction Manual (this document)

4. Installation Instructions

Professional installation by a qualified electrician is recommended for optimal safety and performance. This unit is designed for installation in 2" x 6" ceiling construction.

4.1. Pre-Installation Steps

1. **Power Disconnection:** Turn off power at the circuit breaker or fuse box before starting any installation work.
2. **Location Selection:** Choose a ceiling location that can accommodate the unit's dimensions and allows for proper ducting. Ensure the area is free from obstructions like wiring, pipes, or structural elements.
3. **Ducting Preparation:** This unit supports both 4-inch and 6-inch round ducting. Select the appropriate duct size for your installation and prepare the ductwork to connect to the unit's exhaust port.
4. **Wiring Preparation:** Plan for the electrical wiring. For independent control of the fan, main light, and nightlight, a three-way switch configuration is typically required. Consult a qualified electrician for proper wiring diagrams and connections.

4.2. Mounting the Unit

- Securely attach the unit housing to the ceiling joists using the provided installation hardware (e.g., joist hangers). Ensure the unit is level and firmly mounted to prevent vibration and noise.

- Connect the exhaust ducting to the unit's exhaust port. Seal all duct connections with appropriate tape or sealant to ensure efficient airflow and prevent air leakage.

4.3. Electrical Connections

- Route the electrical supply wires to the unit's junction box.
- Connect the wires according to the wiring diagram provided with the unit and local electrical codes. Ensure proper grounding.
- If using a three-way switch, connect the fan, main light, and nightlight circuits to their respective switch terminals.

4.4. Final Assembly

- Install the fluorescent bulbs into their sockets.
- Attach the white enamel grille to the unit housing. Ensure it is securely fastened and flush with the ceiling surface.
- Restore power at the service panel and test all functions (fan, main light, nightlight).

5. Operating Instructions

The Broan-NuTone QTNLEDA unit offers independent control over its fan, main light, and LED nightlight functions, typically managed via a multi-gang wall switch (not included).

5.1. Fan Operation

Activate the exhaust fan by toggling its dedicated switch. The fan operates at 110 CFM to effectively remove moisture and odors from the bathroom, contributing to a healthier environment.

5.2. Main Light Operation



Image 2: The Broan-NuTone QTNLEDA unit installed in a bathroom ceiling, with the main fluorescent light fully illuminated, providing bright general lighting.

Turn on the main light using its designated switch. The unit utilizes two 18-Watt fluorescent bulbs to provide ample illumination for daily bathroom activities.

5.3. LED Nightlight Operation



Image 3: The Broan-NuTone QTNLEDA unit installed in a bathroom ceiling, with the blue LED nightlight illuminated, providing a soft ambient glow.

Activate the LED nightlight via its separate switch. The blue LED provides a soft, ambient glow, ideal for nighttime use without harsh brightness.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your Broan-NuTone QTNLEDA unit. Always disconnect power before performing any maintenance.

6.1. Cleaning the Grille and Light Panel

- Gently pull down the grille to detach it from the housing.
- Wash the grille and light panel with a mild detergent and warm water. Rinse thoroughly and allow to dry completely before reattaching.
- Wipe the exterior of the unit housing with a damp cloth. Do not allow water to enter the motor or electrical components.



Image 4: The white enamel grille of the Broan-NuTone QTNLEDA unit, shown separately. This component can be removed for cleaning or painting to match ceiling decor.

6.2. Bulb Replacement

- Ensure power is disconnected.
- Remove the grille and carefully unscrew the old fluorescent bulbs.
- Install new 18-Watt fluorescent bulbs, ensuring they are securely seated.
- Reattach the grille and restore power.

7. Troubleshooting

If you experience issues with your Broan-NuTone QTNLEDA unit, consult the following troubleshooting guide. Always disconnect power before inspecting the unit.

7.1. Fan Not Operating

- **No Power:** Check the circuit breaker or fuse. Ensure the wall switch is in the "ON" position.

- **Loose Wiring:** Inspect electrical connections at the unit and the wall switch for any loose wires. (Consult a qualified electrician).
- **Motor Issue:** If power is present and wiring is secure, the motor may require professional inspection or replacement.

7.2. Main Light Not Illuminating

- **Bulb Failure:** Replace the fluorescent bulbs. Ensure they are correctly seated.
- **No Power:** Check the circuit breaker and the wall switch.
- **Loose Wiring:** Verify electrical connections.

7.3. LED Nightlight Not Working

- **No Power:** Check the circuit breaker and the wall switch for the nightlight.
- **Internal Component Failure:** The LED nightlight is an integrated component. If power is confirmed and the nightlight still does not function, the unit may require service. Contact Broan-NuTone customer support.

7.4. Excessive Noise or Vibration

- **Loose Mounting:** Ensure the unit is securely fastened to the ceiling joists.
- **Ducting Obstruction:** Check for any obstructions in the ductwork or loose duct connections.
- **Motor/Fan Blade Issue:** If the noise persists, the fan motor or blades may be damaged or unbalanced. Professional inspection is recommended.

8. Specifications

Feature	Specification
Model	QTNLEDA
Brand	Broan-NuTone
Air Flow Capacity	110 Cubic Feet Per Minute (CFM)
Sones Rating	0.7 Sones
Wattage (Main Light)	2 x 18 Watts (Fluorescent)
Wattage (Total)	34.9 Watts
Voltage	120 Volts
Room Type	Bathroom (up to 100 sq. ft.)
Duct Size	4" or 6" Round
Ceiling Construction	2" x 6" minimum
Color	White
Finish Type	Painted
Item Weight	6.08 kg (approx. 13.4 lbs)
Dimensions (LxWxH)	28.9 x 19.4 x 26.7 Centimeters (approx. 11.4 x 7.6 x 10.5 inches)

Feature	Specification
Certification	ENERGY STAR Qualified

9. Warranty and Customer Support

Broan-NuTone products are manufactured to high-quality standards and are backed by a manufacturer's warranty. Specific warranty details, including duration and coverage, are typically provided in the warranty card included with your product or can be found on the official Broan-NuTone website.

For technical assistance, replacement parts, or warranty claims, please contact Broan-NuTone customer support directly. Have your model number (QTNLEDA) and purchase date available when contacting support.

You can typically find contact information for Broan-NuTone customer service on their official website:www.broan-nutone.com

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question