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Broan-NuTone BEL8

Broan-NuTone® BEL8 Bathroom Exhaust Fan with LED Light

Model: BEL8 | Brand: Broan-NuTone

Introduction

The Broan-NuTone® BEL8 Roomside Series ENERGY STAR® bathroom exhaust fan with LED light is designed for versatile and easy installation, even without attic access and no drywall cutting. This fan is an ideal retrofit solution, simplifying the installation process. It features patent-pending SlideClip™ grille/cover technology for easy cleaning and a seamless CleanCover™ grille design that blends into the ceiling for a modern aesthetic.

This ENERGY STAR® certified unit significantly reduces energy consumption compared to standard bath fans. Engineered for ENERGY STAR 4.1, it meets building code requirements and ensures efficient removal of moisture, odors, and pollutants, contributing to better indoor air quality.

- **ENERGY STAR Certified:** Reduces energy consumption by over 50% compared to standard bath fans.
- **Quiet Operation:** Operates at a quiet 1.5 sones, providing efficient ventilation for rooms up to 75 sq. ft.
- **Fastest Installation:** Roomside installation requires no attic access and no drywall cutting.
- **SlideClip Technology:** Patent-pending springless attachment for fast grille installation and easy cleaning.
- **Seamless Design:** Modern CleanCover grille provides a floating appearance.

Setup and Installation

The Broan-NuTone BEL8 is designed for straightforward installation, particularly for roomside retrofits. Follow these steps for a successful setup:

Unboxing and Components

Upon opening the package, you will find the main components of your exhaust fan system. Familiarize yourself with each part before beginning installation.



Figure 1: All components of the Broan-NuTone BEL8 exhaust fan, including the main housing, grille, light assembly, and instruction manual.



Figure 2: Detailed dimensions of the fan housing (7.5"D x 7.25"W x 5.75"H) and cover (9.5" x 9.5"), along with HVI Certified, UL Listed, and ENERGY STAR compliance logos.

Installation Process

The BEL8 is designed for quick and easy installation from the room side, eliminating the need for attic access or extensive drywall work. The patent-pending SlideClip™ grille ensures a secure, springless attachment.

Your browser does not support the video tag.

Video 1: Official Broan-NuTone installation guide for the BEL8 fan, demonstrating the step-by-step process for mounting the housing, connecting ductwork, wiring, and installing the grille and light module.

For detailed visual instructions, please refer to the official installation video above. Key steps include:

1. **Prepare the Opening:** Ensure the ceiling opening is correctly sized for the fan housing.
2. **Mount the Housing:** Secure the fan housing to the ceiling structure using the provided mounting ears.
3. **Connect Ductwork:** Attach the 4-inch diameter duct to the fan's duct connector and seal with foil tape.
4. **Wire the Unit:** Connect the electrical wiring according to local codes. The unit features a convenient wiring panel.
5. **Install Blower Assembly:** Secure the blower assembly into the housing.

6. **Install Grille and Light:** Plug in the LED module and attach the CleanCover™ grille using the SlideClip™ technology.

Operating Instructions

The Broan-NuTone BEL8 operates via a standard wall switch (not included). It provides both ventilation and illumination for your bathroom space.

- **Fan Operation:** Flip the designated wall switch to activate the exhaust fan. The fan will begin to draw air, removing moisture and odors from the room.
- **LED Light Operation:** The integrated LED light is controlled by a separate switch or can be wired to operate simultaneously with the fan, depending on your electrical setup. The LED light provides bright, energy-efficient illumination.

For optimal performance, operate the fan during and after showers or baths to effectively manage humidity levels and prevent mold and mildew growth.

Maintenance

Regular maintenance ensures the longevity and efficient operation of your Broan-NuTone BEL8 exhaust fan. The CleanCover™ grille and SlideClip™ technology make cleaning simple.

Cleaning the Grille and Light Lens

The grille and light lens should be cleaned periodically to maintain airflow and light output. The SlideClip™ feature allows for easy removal without springs.



Figure 3: The SlideClip™ grille mechanism, designed for easy, springless attachment and removal for cleaning.

1. **Power Off:** Always turn off the power to the fan at the service panel before cleaning.
2. **Remove Grille:** Gently pull down on the grille to disengage the SlideClip™ fasteners.
3. **Clean:** Wash the grille and light lens with warm, soapy water. Do not use abrasive cloths or cleaning agents.
4. **Dry and Reinstall:** Allow parts to dry completely before reattaching the grille by sliding the clips back into place until secure.

Motor Lubrication

The fan motor is permanently lubricated and does not require additional oiling.

Light Bulb Replacement

The integrated LED light module is designed for long life and typically does not require frequent replacement. If replacement is needed, ensure power is off and consult the full manual for specific LED module replacement instructions.

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Video 2: This video demonstrates how to access and replace the light bulb in a similar fan model. While the BEL8 uses an integrated LED

module, the process for accessing the light area by removing the grille is similar.

Troubleshooting

If your Broan-NuTone BEL8 exhaust fan is not operating as expected, consider the following common issues and solutions:

Problem	Possible Cause	Solution
Fan does not operate.	No power to the unit; loose wiring; motor malfunction.	Check circuit breaker/fuse. Ensure all wiring connections are secure. If motor is faulty, contact customer support.
Fan is noisy.	Loose mounting; debris in blower wheel; damaged motor.	Ensure housing is securely mounted. Turn off power and inspect/clean blower wheel. If motor is damaged, contact customer support.
Light does not work.	No power to the light; faulty LED module.	Check light switch and circuit breaker. If LED module is faulty, it may need replacement (contact customer support).
Poor ventilation.	Blocked grille; obstructed ductwork; fan too small for room.	Clean grille and light lens. Check ductwork for obstructions. Ensure fan CFM is appropriate for room size (up to 75 sq. ft. for 80 CFM).

If issues persist after attempting these solutions, please contact Broan-NuTone customer support.

Specifications

Feature	Detail
Brand	Broan-NuTone
Model Name	Broan-NuTone® BEL8 Bathroom Exhaust Fan w/ LED Light
Air Flow Capacity (CFM)	80 Cubic Feet Per Minute
Noise Level (Sones)	1.5 Sones
Room Type	Bathroom
Special Feature	LED Light
Power Source	AC
Voltage	120 Volts
Wattage	20.9 watts
Product Dimensions	7.5"D x 7.25"W x 5.75"H

Feature	Detail
Cover Dimensions	9.5" x 9.5"
Duct Connector Size	4" Diameter
Specification Met	Energy Star
Item Weight	7.19 pounds

Warranty and Support

Broan-NuTone stands behind the quality of its products. For specific warranty information regarding your BEL8 Bathroom Exhaust Fan, please refer to the documentation included with your product or visit the official Broan-NuTone website.

If you require technical assistance, have questions about installation, operation, or maintenance, or need to inquire about replacement parts, please contact Broan-NuTone's award-winning, US-based customer service team. Contact details can typically be found in your product manual or on the official brand website.

For further assistance, you may visit the Broan-NuTone Store on Amazon.

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