**OREiN OL17001-NA**

# OREiN Bathroom Exhaust Fan with Light User Manual

Model: OL17001-NA

| Introduction | Safety Information | Product Features | Setup & Installation | Operation | Maintenance |
|---|---|---|---|---|---|
| | Troubleshooting | Specifications | Warranty & Support | | |

## 1. INTRODUCTION

Thank you for choosing the OREiN Bathroom Exhaust Fan with Light. This manual provides essential information for the safe installation, operation, and maintenance of your new exhaust fan. Please read this manual thoroughly before installation and keep it for future reference.

This OREiN exhaust fan is designed to provide efficient ventilation and illumination for your bathroom, ensuring a comfortable and moisture-free environment. It features a quiet operation, durable components, and an integrated LED light with adjustable color temperature.

*Figure 1.1: OREiN Bathroom Exhaust Fan with Light (Main View)*

This image shows the OREiN Bathroom Exhaust Fan with an integrated LED light, designed for ceiling installation. The fan unit is visible with its square light cover and the exhaust duct connection.

## 2. SAFETY INFORMATION

Always follow basic safety precautions when installing, operating, or servicing this product to reduce the risk of fire, electric shock, or injury to persons.

- **Read all instructions:** Before installing or operating the fan, read all instructions carefully.
- **Disconnect power:** Always disconnect power at the service panel before wiring, cleaning, or servicing the unit. Lock out the service panel to prevent power from being switched on accidentally.
- **Qualified electrician:** All wiring must be performed by a qualified electrician in accordance with all applicable codes and standards, including fire-rated construction codes.
- **Proper ventilation:** This unit is intended for general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.

- **Ductwork:** Use only metal ductwork. Do not use flexible ductwork.
- **Ceiling installation:** This fan is designed for ceiling installation only. Ensure the ceiling structure can support the weight of the fan.
- **Clearance:** Maintain proper clearance from combustible materials as specified in local building codes.
- **Damage inspection:** Inspect the unit for shipping damage before installation. If damaged, do not install.
- **Grounding:** Ensure the unit is properly grounded.

## 3. PRODUCT FEATURES

The OREiN Bathroom Exhaust Fan with Light is engineered for optimal performance and user convenience. Key features include:

- **High Performance Ventilation:** Operates at 100 CFM (Cubic Feet Per Minute) for effective moisture and odor removal.
- **Quiet Operation:** Engineered for whisper-quiet performance with a noise level of 1.5 Sones.
- **Integrated LED Lighting:** Features a bright LED light with 3 CCT (Correlated Color Temperature) options (3000K, 4000K, 5000K) and a nightlight mode.
- **Energy Efficient:** ENERGY STAR Certified, ensuring lower energy consumption.
- **Durable DC Motor:** Equipped with a powerful DC motor designed for long life and quiet operation, featuring a slow start and slow stop mechanism to protect the motor.
- **Easy Installation:** Comes with a Flex-Z Fast bracket for secure and straightforward installation between ceiling joists.
- **Certifications:** HVI, FCC, and ETL Listed for reliability and safety.

# Powerful DC Motor



26W

*Figure 3.1: Powerful DC Motor Diagram*

This image illustrates the internal components of the powerful DC motor used in the OREiN exhaust fan, highlighting its efficient design for quiet and long-lasting performance.

*Figure 3.2: Product Certifications*

This image displays the various certifications obtained by the OREiN exhaust fan, including HVI, ENERGY STAR, ETL, and FCC, indicating compliance with industry standards for performance, energy efficiency, and safety.

## 4. SETUP & INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your OREiN exhaust fan. Follow these steps carefully.

### 4.1 Pre-Installation Checklist

- Ensure power is disconnected at the circuit breaker.
- Verify ceiling construction can accommodate the fan's dimensions (8.11" x 7.48" opening recommended).
- Gather necessary tools: screwdriver, wire strippers, drill, measuring tape, safety glasses, gloves.
- Confirm all components are present: fan housing, light cover, Flex-Z Fast bracket, wiring connectors.

### 4.2 Installation Steps

1. **Prepare Opening:** Create a ceiling opening of approximately 8.11" x 7.48" between ceiling joists.

2. **Mount Housing:**

   - Attach the Flex-Z Fast bracket to the fan housing.
   - Position the fan housing between the ceiling joists.
   - Secure the housing to the joists using the Flex-Z Fast bracket, or by nailing/screwing directly to the joist. Ensure the housing is level and firmly attached.

3. **Connect Ductwork:** Connect appropriate ductwork (not supplied) to the fan's exhaust port. Ensure a tight, sealed connection to prevent air leakage.

4. **Wiring:**

   - Route electrical wiring into the fan's junction box.
   - Connect the fan's wires to the household wiring according to local electrical codes. Typically, this involves connecting live, neutral, and ground wires.
   - Ensure all connections are secure and insulated.

5. **Install Light Cover:** Once wiring is complete and tested, attach the light cover (10.1" x 10.1") to the fan housing. Ensure it snaps securely into place.

*Figure 4.1: Installation Diagram*

This diagram illustrates the components of the OREiN exhaust fan and the general steps for its installation into a ceiling, showing the fan housing, mounting brackets, and the light cover.

## 5. OPERATING INSTRUCTIONS

Your OREiN Bathroom Exhaust Fan with Light is designed for simple operation.

### 5.1 Fan Operation

The exhaust fan is typically controlled by a standard wall switch. Flip the switch to turn the fan ON or OFF. Note that the fan may have a slight delay (a few seconds) in starting up due to its slow start mechanism, which protects the DC motor.

### 5.2 Light Operation and Color Temperature Selection

The integrated LED light can be controlled independently or in conjunction with the fan, depending on your wiring setup. The light offers three color temperature options (3000K, 4000K, 5000K) and a nightlight mode.

- **Selecting Color Temperature:** To change the light color temperature, locate the small toggle switch on the fan housing (before installing the light cover). Slide this switch to select your desired color temperature (3000K Warm White, 4000K Cool White, or 5000K Daylight).
- **Activating Nightlight Mode:** The nightlight mode can be activated by quickly cycling the light switch ON-OFF-ON within 2 seconds. This will switch the light to a low-intensity nightlight setting. To return to the main light, cycle the switch again.



*Figure 5.1: 3 Color Temperature Selectable Light*

This image demonstrates the three selectable color temperatures (5000K, 4000K, 3000K) of the integrated LED light, showing how they appear in a bathroom setting. A note indicates that the light color is selected by sliding a toggle switch on the fan housing.

# Dimmable 3CCT & Nightlight

**19W**

**3CCT-1500LM**

**Nightlight-200LM**

On-Off-On Cycling the light switch within 2 seconds to change the nightlight mode

*Figure 5.2: Dimmable 3CCT & Nightlight Feature*

This image details the dimmable 3CCT (Correlated Color Temperature) and nightlight features of the fan's LED light. It shows the wattage (19W), lumen output (3CCT-1500LM, Nightlight-200LM), and explains that the nightlight mode is activated by cycling the light switch ON-OFF-ON within 2 seconds.

## 6. MAINTENANCE

Regular maintenance helps ensure the long-term performance and efficiency of your exhaust fan. Always disconnect power before performing any maintenance.

### 6.1 Cleaning the Fan and Light Cover

- **Frequency:** Clean the fan and light cover at least once every six months, or more frequently if dust and debris accumulate.
- **Disconnect Power:** Turn off power at the circuit breaker before cleaning.
- **Remove Cover:** Carefully remove the light cover by gently pulling it down or releasing any clips.
- **Clean Cover:** Wash the light cover with mild soap and water. Rinse thoroughly and dry completely before reattaching.
- **Clean Fan Housing:** Use a soft cloth or a vacuum cleaner with a brush attachment to remove dust and debris

from the fan grille, motor, and interior housing. Do not use abrasive cleaners or solvents.

- **Reassemble:** Once clean and dry, reattach the light cover securely. Restore power.

## 6.2 Motor Lubrication

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

## 7. TROUBLESHOOTING

If you experience issues with your OREiN Bathroom Exhaust Fan, refer to the following table for common problems and solutions.

| Problem | Possible Cause | Solution |
| --- | --- | --- |
| Fan does not operate. | No power to the unit. Loose wiring connection. Motor malfunction. | Check circuit breaker and wall switch. Verify all wiring connections are secure (ensure power is off). Contact customer support if motor is suspected to be faulty. |
| Fan is noisy. | Loose mounting screws. Debris in fan blades. Ductwork obstruction or improper installation. Motor issue. | Ensure fan housing is securely mounted. Disconnect power and clean fan blades. Check ductwork for kinks, blockages, or loose connections. Contact customer support. |
| Light does not turn on. | No power to the light. Loose wiring connection. LED module failure. | Check wall switch and circuit breaker. Verify light wiring connections (ensure power is off). Contact customer support. |
| Light color temperature cannot be changed. | Toggle switch not properly set. LED module issue. | Ensure the toggle switch on the fan housing is correctly positioned. Contact customer support. |

If the problem persists after attempting these solutions, please contact OREiN customer support.

## 8. SPECIFICATIONS

Technical specifications for the OREiN Bathroom Exhaust Fan with Light (Model: OL17001-NA).

| Attribute | Value |
| --- | --- |
| Brand | OREiN |
| Model Number | OL17001-NA |
| Color | White |
| Electric Fan Design | Exhaust Fan |
| Power Source | Corded Electric |

| Attribute | Value |
| --- | --- |
| Room Type | Bathroom |
| Recommended Uses | Ventilating |
| Noise Level | 1.5 Sones |
| Wattage | 15 watts (Fan), 19 watts (Light) |
| Finish Type | Powder Coated |
| Air Flow Capacity | 100 Cubic Feet Per Minute (CFM) |
| Voltage | 120 Volts (DC) |
| Switch Type | Push Button (for wall switch control) |
| Indoor/Outdoor Usage | Indoor |
| Certifications | ETL, Energy Star, FCC, HVI |
| Control Method | App (Note: This might refer to smart home integration if available, or a general category. For this model, direct control is via wall switch and internal toggle.) |
| Efficiency | High Efficiency |
| Housing Dimensions | 7.68" x 7.55" x 6.42" |
| Light Cover Size | 10.1" x 10.1" |
| Light Color Temperature | 3000K, 4000K, 5000K selectable |
| Light Output | 1500 Lumens (3CCT), 200 Lumens (Nightlight) |
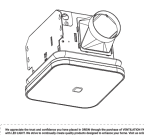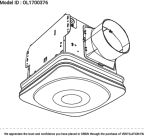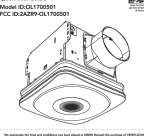
## 9. WARRANTY & SUPPORT

For warranty information and customer support, please refer to the documentation included with your product packaging or contact OREiN directly.

You can also visit the official OREiN store on Amazon for more information and contact options: OREiN Amazon Store.

When contacting support, please have your model number (OL17001-NA) and purchase date available.

**Related Documents - OL17001-NA**

[OREiN Bathroom Exhaust Fan with Light - Troubleshooting and FAQs](#)

Find solutions to common issues with your OREiN Bathroom Exhaust Fan with Light, including installation, performance, noise, and moisture problems. Get answers to frequently asked questions.

[OREIN OL1700107 Ventilation Fan with LED Light: Quick User Guide](#)

Quick User Guide for the OREIN Ventilation Fan with LED Light (Model OL1700107). Includes safety information, product specifications, installation steps, wiring diagrams, maintenance, and troubleshooting.

[OREIN 110/160CFM Bath Fan with Bluetooth Speaker, 3CCT & Night Light - Quick User Guide](#)

This document provides a quick user guide for the OREIN 110/160CFM Bath Fan, detailing its features including Bluetooth speaker, 3CCT lighting, and night light. It covers product specifications, installation instructions for new and existing constructions, wiring diagrams, care and maintenance, troubleshooting, and remote operation.

[OREIN 100CFM Bath Fan with 3CCT LED Light & Night Light Quick User Guide](#)

Comprehensive quick user guide for the OREIN 100CFM Bathroom Exhaust Fan with 3CCT LED Light and Night Light. Includes installation instructions, specifications, safety information, care, and troubleshooting.

[OREiN 160CFM Bath Fan with Humidity Sensor, 3CCT & Night Light - Quick User Guide](#)

This guide provides instructions for the installation and operation of the OREiN 160CFM Bath Fan with Humidity Sensor, 3CCT & Night Light. It covers safety information, product specifications, installation procedures for new and existing construction, light mode operation, humidity sensor functionality, care and maintenance, and troubleshooting.

[OREIN 110/160 CFM Bath Fan with Bluetooth Speaker, 3CCT & Night Light: Quick User Guide](#)

This guide provides instructions for installing and operating the OREIN 110/160 CFM Bath Fan with Bluetooth Speaker, featuring 3CCT and a night light. It covers safety information, product specifications, installation steps for new and existing constructions, wiring diagrams, troubleshooting, and remote operation.
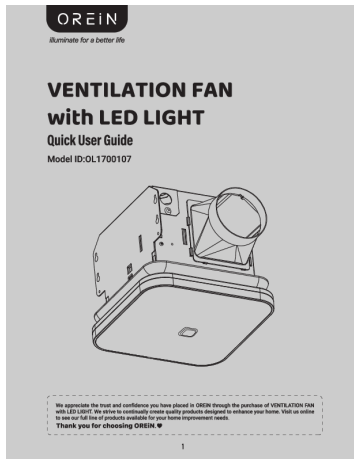
[OREIN OL1700107 Ventilation Fan with LED Light: Quick User Guide](#)

Quick User Guide for the OREIN Ventilation Fan with LED Light (Model OL1700107). Includes safety information, product specifications, installation steps, wiring diagrams, maintenance, and troubleshooting.

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