

FASDUNT EF2W

FASDUNT 9.8" Panel Bathroom Exhaust Fan with LED Light (Model EF2W) - Instruction Manual

Model: EF2W

1. INTRODUCTION

Thank you for purchasing the FASDUNT 9.8" Panel Bathroom Exhaust Fan with LED Light, Model EF2W. This manual provides detailed instructions 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.



Image 1: FASDUNT Bathroom Exhaust Fan with LED Light, showing airflow.

This image displays the FASDUNT bathroom exhaust fan from a slightly elevated angle, highlighting its sleek white panel design and the integrated LED light. Gentle blue air currents and green leaves are depicted flowing downwards from the fan, illustrating its ventilation function. The fan features a square grille with the "FASDUNT" brand name visible on the front edge.

2. IMPORTANT SAFETY INFORMATION

To reduce the risk of fire, electric shock, or injury to persons, observe the following:

- Read all instructions before installing or servicing this fan.
- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
- Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- Before servicing or cleaning the unit, switch power off at the service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
- Do not use this fan with any solid-state speed control device unless specifically approved by the manufacturer.

- This fan is intended for general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
- To prevent motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc., off power unit.
- Always wear safety glasses and gloves during installation.
- Ensure the power supply voltage matches the fan's requirements (110-120V).

3. PACKAGE CONTENTS

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



Image 2: Diagram of included components.

This diagram illustrates the items included in the product package. It shows an integrated fan housing, a grille with light, a set of 12 screws, a check valve, and an installation manual. Each item is represented by a simple line drawing.

- Integrated Fan Housing x 1
- Grille and Light Assembly x 1
- Screws x 12
- Check Valve x 1
- Installation Manual x 1

4. SPECIFICATIONS

Brand	FASDUNT
Model Number	EF2W
Air Flow Capacity	120 CFM (Cubic Feet Per Minute)
Noise Level	1.0 Sones
LED Light Wattage	12W
LED Color Temperature	5000K
Fan Wattage	26W
Total Wattage	38W (Fan + Light)
Voltage	110-120 Volts

Duct Size	4 inches
Ceiling Opening Size	8.07" x 8.07" (20.5cm x 20.5cm)
Product Dimensions (Overall)	9.45"D x 5.93"W x 9.45"H
Grille Cover Size	9.65" x 9.65"
Item Weight	4.31 pounds
Material	ABS Plastic, Metal
Room Type	Bathroom
Control Method	Touch (Typically wired to a wall switch)



Image 3: Detailed product dimensions and key specifications.

This image provides a visual representation of the fan's dimensions and lists its core specifications. It shows the fan housing with measurements for height, width, and duct size, alongside a table detailing material, voltage, power consumption for fan and light, color temperature, and exhaust volume.

5. SETUP AND INSTALLATION

Before You Begin: Ensure power is OFF at the circuit breaker. This installation requires electrical wiring and should be performed by a qualified electrician if you are not comfortable with electrical work.

5.1 Tools and Materials Required (Not Included)

- Drill
- Screwdriver (Phillips head)
- Wire strippers
- Pliers
- Utility knife or drywall saw
- Measuring tape
- Caulking gun and sealant
- Duct tape or clamps for duct connection
- Safety glasses and gloves

5.2 Installation Steps

1. Prepare the Opening:

Locate the desired installation area in the ceiling. The required ceiling opening size is **8.07" x 8.07" (20.5cm x 20.5cm)**. Use a template or measure carefully to cut the opening. Ensure there is sufficient space above the ceiling for the fan housing and ductwork (minimum 5.93 inches depth).



Image 4: Diagram showing fan dimensions and required ceiling opening size.

This image provides critical dimensions for installation, including the overall product dimensions (9.45 inches depth, 5.95 inches height, 9.45 inches width) and the precise ceiling opening size required (8.07 inches by 8.07 inches). A 4-inch duct connection is also indicated.

2. Connect Ductwork:

Connect a 4-inch diameter duct to the fan's exhaust port. Secure the duct with duct tape or a clamp to ensure an airtight seal. Route the duct to an exterior vent cap.

3. Mount the Fan Housing:

Insert the integrated fan housing into the ceiling opening. Secure the housing to the ceiling joists or framing using the provided screws. Ensure the fan is level and securely fastened.

4. Electrical Wiring:

Connect the fan's electrical wires to your household wiring. This fan supports two connection modes:

- **Simultaneous Operation:** Fan and light turn on/off together with a single switch.
- **Separate Operation:** Fan and light can be controlled independently with separate switches. This is recommended to prolong the service life of the light.

Follow local electrical codes. Typically, connect the fan's black wire to the hot wire, white wire to neutral, and green/bare wire to ground. For separate operation, you will need two hot wires from your switch box.

5. Install Grille and Light Assembly:

Plug the LED light connector into the receptacle on the fan housing. Carefully align the grille and light assembly with the fan housing and secure it using the spring clips or screws as per the design. Ensure it sits flush against the ceiling.

6. Restore Power:

Once installation is complete and all connections are secure, restore power at the circuit breaker and test the fan and light functions.

6. OPERATION

The FASDUNT Bathroom Exhaust Fan with LED Light is designed for simple operation via a wall switch (or switches, depending on your wiring configuration).

6.1 Turning On/Off

- If wired for simultaneous operation, flip the wall switch to turn both the fan and light ON or OFF.
- If wired for separate operation, use the designated switch for the fan and the other for the LED light.

6.2 Optimal Use

- For effective moisture removal, turn on the fan before showering or bathing and leave it running for at least 15-20 minutes after to clear humidity.
- The 1.0 Sones quiet operation ensures minimal noise disruption during use.
- The 12W 5000K LED light provides bright, natural illumination for your bathroom.

MAKE YOUR LIFE MORE CONVENIENT

Takes away the odor, humidity and sultry heat



Image 5: Comparison of a bathroom before and after using the exhaust fan, showing reduced humidity.

This image presents a side-by-side comparison of a bathroom environment. The "Before" panel shows a shower area with significant steam and condensation on the glass and walls, indicating high humidity. The "After" panel shows the same area clear of steam and condensation, with arrows illustrating the fan's effective air extraction, demonstrating its ability to remove humidity and odors.

7. MAINTENANCE

Regular cleaning and maintenance will ensure optimal performance and extend the lifespan of your exhaust fan.

7.1 Cleaning the Grille and Light

1. **Turn off Power:** Always disconnect power at the circuit breaker before cleaning.
2. **Remove Grille:** Gently pull down the grille assembly. It is typically held by spring clips. Disconnect the LED light connector if necessary.
3. **Clean:** Wash the grille with a mild detergent and warm water. Wipe the LED light panel with a damp cloth. Do not immerse the light panel in water.
4. **Dry and Reinstall:** Allow all parts to dry completely before reattaching the LED light connector and reinstalling the grille assembly.

7.2 Cleaning the Fan Housing and Motor

This should be done periodically, or if you notice reduced airflow or increased noise.

1. **Turn off Power:** Disconnect power at the circuit breaker.
2. **Remove Grille:** Follow steps in 7.1 to remove the grille.
3. **Access Fan:** Depending on the model, you may need to unclip or unscrew the fan motor assembly from the housing.
4. **Clean Fan Blades:** Use a soft brush or vacuum cleaner with a brush attachment to remove dust and debris from the fan blades and interior of the housing. Do not bend the fan blades.
5. **Reassemble:** Reinstall the fan motor assembly (if removed), reconnect the LED light, and reattach the grille.
6. **Restore Power:** Restore power and test operation.

8. TROUBLESHOOTING

Before performing any troubleshooting, ensure the power is OFF at the circuit breaker.

Problem	Possible Cause	Solution
Fan does not operate.	No power supply. Loose wiring connection. Motor malfunction.	Check circuit breaker and wall switch. Verify all wire connections are secure (consult an electrician). Contact customer support if motor is faulty.
Light does not turn on.	No power to light. Loose LED connector. LED light failure.	Check light switch and wiring. Ensure LED connector is fully seated. Contact customer support for replacement light assembly.
Reduced airflow or poor ventilation.	Blocked ductwork. Dirty fan blades. Improperly sealed duct.	Check duct for obstructions. Clean fan blades and housing (see Maintenance section). Ensure duct connections are airtight.
Excessive noise during operation.	Loose mounting. Debris in fan blades. Damaged motor/impeller.	Ensure fan housing is securely mounted. Clean fan blades (see Maintenance section). Contact customer support if noise persists after cleaning.

9. WARRANTY AND CUSTOMER SUPPORT

FASDUNT products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your purchase or contact FASDUNT customer support.

If you encounter any issues or have questions regarding your FASDUNT Bathroom Exhaust Fan, please contact our customer support team for assistance. Please have your model number (EF2W) and purchase information ready.

Contact Information: Please refer to the contact details provided on the product packaging or the official FASDUNT website.

