

Akicon BPT14-80CL

Akicon Ultra Quiet Bathroom Exhaust Fan with LED Light

MODEL: BPT14-80CL

1. Safety Information

Read and understand all instructions before beginning installation. 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 the unit.
- All wiring must comply with local electrical codes and standards.
- This unit is designed for general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
- To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device unless specifically approved for such use.
- Ensure the installation location provides adequate structural support for the fan.

2. Package Contents

Verify that all components are present before beginning installation:

- Fan Housing
- Grille Assembly
- LED Bulbs (2x)
- Frosted Glass Cover
- Mounting Screws
- Instruction Manual



Image: Components of the Akicon Bathroom Exhaust Fan.

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Video: Unboxing guide for the Akicon Bath Fan 1480 Satin White, showing all included parts.

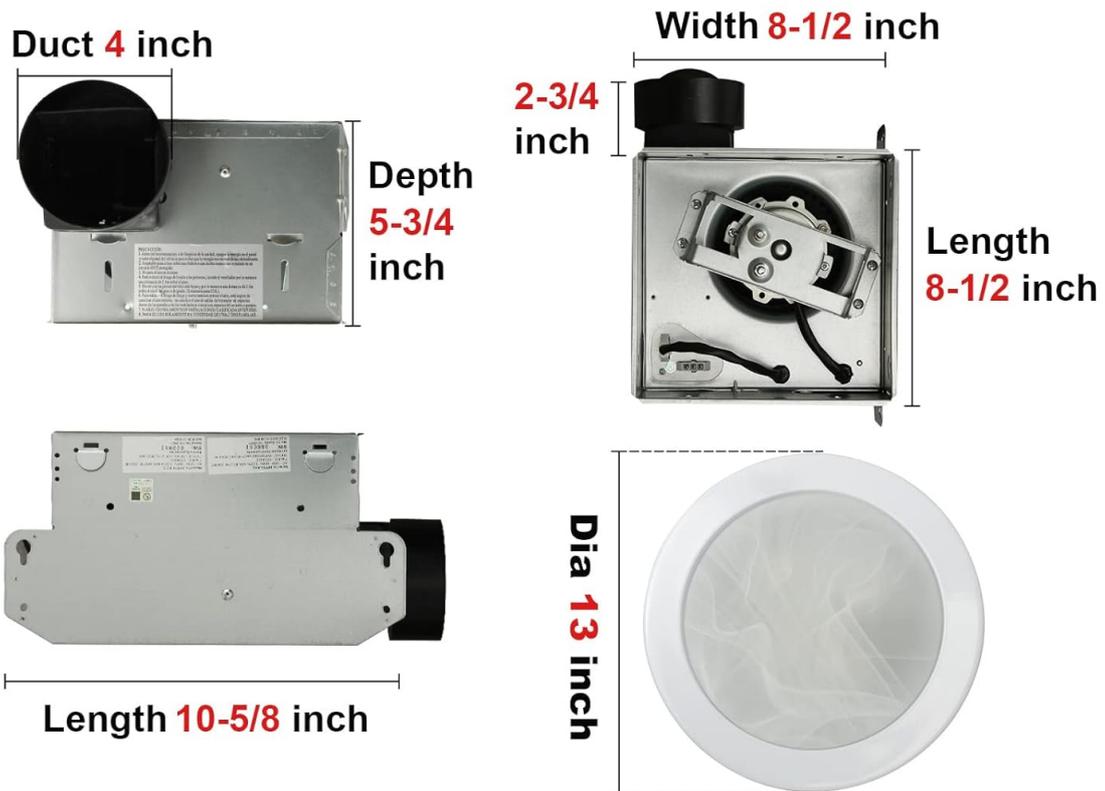
3. Product Specifications

Feature	Specification
Brand	Akicon
Model Name	BPT14-80CL
Air Flow Capacity	80 Cubic Feet Per Minute (CFM)
Noise Level	2.0 Sones
Power Source	AC
Voltage	120 Volts
Wattage	27.6 watts
Product Dimensions	13"D x 13"W x 7.75"H
Housing Dimensions	8-1/2" x 8-1/2" x 5-3/4"
Light Cover Diameter	13"
Duct Size	4 inch
Special Feature	LED Light (3000K, 4000K, 5000K selectable, Dimmable)
Certifications	cUL, HVI Listed



Image: Key dimensions of the Akicon Bathroom Exhaust Fan.

 **Please notice the installation size before purchasing.**



Housing Size: 8-1/2"x8-1/2"x5-3/4"
Grille Cover Diameter: 13"
Ceiling Opening Size: 9"x9"

Image: Detailed housing dimensions and ceiling opening size requirements.

4. Installation

This fan can be installed with or without attic access. Refer to the appropriate video and steps below.

4.1 Pre-Installation Checks

- Ensure your soffit or attic has enough space for installation.
- Required opening size: 8-1/2" x 8-5/16".
- Soffit/Attic Height: > 6-1/2".



Image: Pre-installation considerations for attic and soffit space.

4.2 Installation with Attic Access

1. Starting next to a joist, trace an outline for the fan housing.
2. Use a drywall saw to cut the marked opening.
3. Slide the fan housing into the opening and screw it into the joist.
4. Attach the duct to the fan's exhaust port and apply HVAC tape over the connection to ensure a secure seal.
5. Connect the house wires to the fan wires (black to black, white to white, ground to ground).
6. Place insulation over and around the fan housing.
7. Plug in the light connection.
8. Install the grille, LED bulbs, and glass cover.

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Video: Step-by-step installation guide for the Akicon 1480 series Bathroom fan with attic access.

4.3 Installation without Attic Access (No-Attic Installation)

1. If attic access is not available, this model allows for no-attic installation.
2. First, disconnect the wires connecting the motor and the housing.

3. Remove the fixing screws on the outside of the housing. This allows you to remove the motor from the housing.
4. After connecting the ventilation duct, send the housing into the ceiling opening.
5. Connect the wires correctly according to the label on the wires (black to black, white to white, ground to ground).
6. Secure the housing to the joist using appropriate fasteners.
7. Reinstall the motor back into the housing and connect the plugs.
8. Finally, install the grille, LED bulbs, and glass cover.

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Video: Detailed instructions on how to install the bathroom exhaust fan light combo without attic access.

4.4 Wiring Diagram

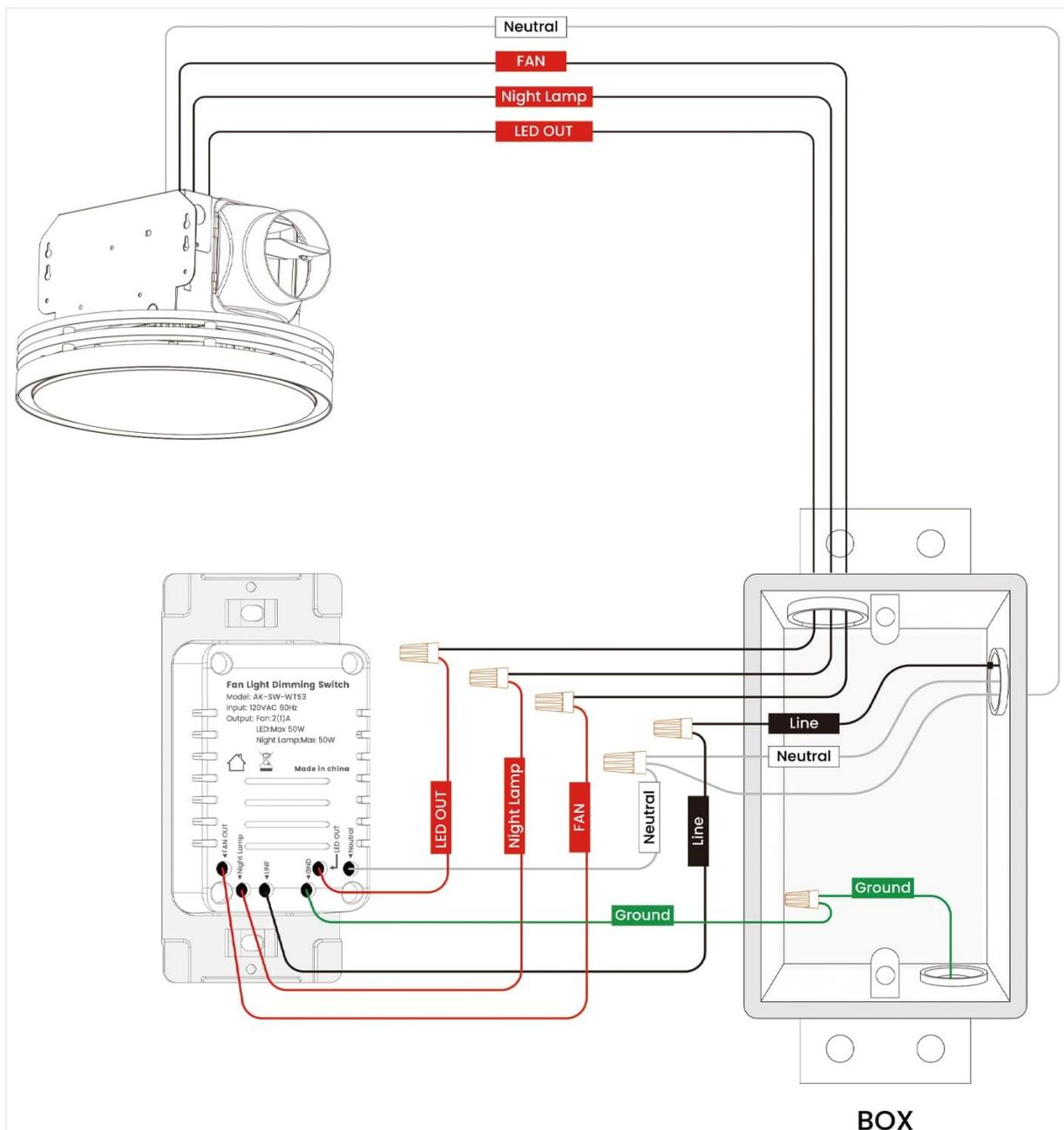


Image: Electrical wiring diagram for connecting the fan and light to a switch.

5. Operating Instructions

The Akicon BPT14-80CL fan is designed for efficient and quiet operation.

5.1 Fan Operation

- The fan operates at 80 CFM (Cubic Feet Per Minute) with a noise level of 2.0 Sones, ensuring effective ventilation with minimal sound.
- Activate the fan using the connected wall switch.

5.2 LED Light Operation

- The integrated LED light offers three color temperature options: 3000K (Warm White), 4000K (Cool White), and 5000K (Daylight).
- To select your desired color temperature, locate the sliding switch on the back of the lampshade (or on the LED bulbs themselves, depending on the specific bulb type). Adjust this switch before installing the glass cover.
- The LED light is dimmable, allowing you to adjust brightness using a compatible dimmer switch (sold separately).



Image: Overview of the fan's performance and lighting features.

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Video: Demonstration of the Akicon Bathroom Exhaust Fan with Light (AK1480-SW) features, including CCT selection and

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your exhaust fan.

6.1 Cleaning the Grille and Glass Cover

- Disconnect power at the service panel before cleaning.
- Carefully remove the glass cover by rotating it counter-clockwise.
- Wash the glass cover with mild soap and water, then dry thoroughly.
- Wipe the grille with a damp cloth. Do not use abrasive cleaners.
- Reinstall the glass cover by aligning the markings and rotating clockwise until secure.

6.2 Replacing LED Bulbs

- Disconnect power at the service panel.
- Remove the glass cover as described above.
- Unscrew the old LED bulbs and replace them with new ones of the same type (GU24 base, if applicable, or compatible LED bulbs).
- Reinstall the glass cover.

7. Troubleshooting

If your fan is not operating correctly, consult the following common issues:

Problem	Possible Cause	Solution
Fan does not operate	No power, loose wiring, faulty switch	Check circuit breaker, verify wiring connections, test switch.
Light does not turn on	Loose bulb, faulty bulb, wiring issue	Ensure bulbs are screwed in tightly, replace bulbs, check light wiring.
Excessive noise	Loose mounting, debris in fan, motor issue	Check mounting screws, clean fan blades, contact support if motor is faulty.
Poor ventilation	Blocked duct, fan too small for room, dirty fan blades	Check duct for obstructions, ensure fan size is appropriate for room area, clean fan blades.

8. Warranty and Support

This Akicon Bathroom Exhaust Fan comes with a 3-Year Limited Warranty, ensuring confidence in the quality and construction of the product.

8.1 Customer Support

For questions, problems, or missing parts, please contact Akicon Customer Service:

- **Service Hours:** 8 a.m. – 6 p.m. EST, Monday-Friday
- **Phone:** +1 (302) 213-4406
- **Email:** service@akiconshop.com

