

Akicon BPT14-80CL

Akicon BPT14-80CL Bathroom Exhaust Fan with Selectable LED Light User Manual

Model: BPT14-80CL | Brand: Akicon

1. SAFETY INFORMATION

Please read and understand all instructions before attempting to install, operate, or maintain 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 working on the fan.
- All wiring must comply with local electrical codes and standards.
- This fan is suitable for use over a bathtub or shower when connected to a GFCI (Ground Fault Circuit Interrupter) protected branch circuit.
- Do not use this fan with any solid-state speed control device unless specifically approved.
- Ensure proper grounding to prevent electrical shock.
- Wear safety glasses and gloves during installation.

2. PRODUCT OVERVIEW

The Akicon BPT14-80CL Bathroom Exhaust Fan with Light is designed to provide efficient ventilation and illumination for your bathroom. It features an ultra-quiet operation and a selectable LED light to enhance comfort and functionality.

Key Features:

- **High Quality Construction:** Features a black-coated galvanized steel casing and a durable copper ball-bearing motor for long-lasting performance.
- **Quiet Operation:** Operates at a low noise level of 2.0 sones, effectively removing odors and humidity from spaces up to 80 square feet.
- **Energy-Efficient LED Lighting:** Includes selectable LED lights with color temperatures of 3000K, 4000K, and 5000K, providing ample brightness for your bathroom. The fan and light can be wired to operate

jointly or separately.

- **Easy Installation:** Designed for straightforward installation or replacement, even without attic access.



Image: Akicon Bathroom Exhaust Fan highlighting key features.

3. SPECIFICATIONS

Feature	Detail
Brand	Akicon
Model Name	BPT14-80CL
Color	Oil Rubbed Bronze
Electric Fan Design	Exhaust Fan
Power Source	AC

Feature	Detail
Style	Modern
Product Dimensions	13"D x 13"W x 7.75"H
Room Type	Bathroom
Special Feature	LED Light
Recommended Uses	Air Circulation
Noise Level	2 Sones
Wattage	27.6 watts
Finish Type	Oil Rubbed
Air Flow Capacity	80 Cubic Feet Per Minute (CFM)
Speed	1 RPM
Switch Type	Push Button
Included Components	Light Kit
Indoor/Outdoor Usage	Indoor
Specification Met	HVI, UL
Control Method	Remote (if applicable, check product details)
Efficiency	High
Is Cordless?	No
Number of Power Levels	1
Motor Type	Copper Ball-Bearing Motor
Installation Type	DIY
Item Weight	12.2 pounds
Mounting Type	Ceiling Mount



Image: Detailed specifications including airflow, sound level, and light temperature options.

4. INSTALLATION

This section provides detailed instructions for installing your Akicon bathroom exhaust fan. Ensure you have all necessary tools and safety equipment before beginning.

Pre-Installation Checks:

- Verify that your soffit or attic has sufficient space for the fan housing.
- Housing Dimensions: 8-1/2" x 8-1/2" x 5-3/4".
- Light Cover Diameter: 13 inches.
- Ceiling Opening Size: 9" x 9".

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

Duct 4 inch



**Depth
5-3/4
inch**

Width 8-1/2 inch

**2-3/4
inch**



**Length
8-1/2 inch**



Length 10-5/8 inch

Dia 13 inch



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

Image: Installation dimensions and requirements.

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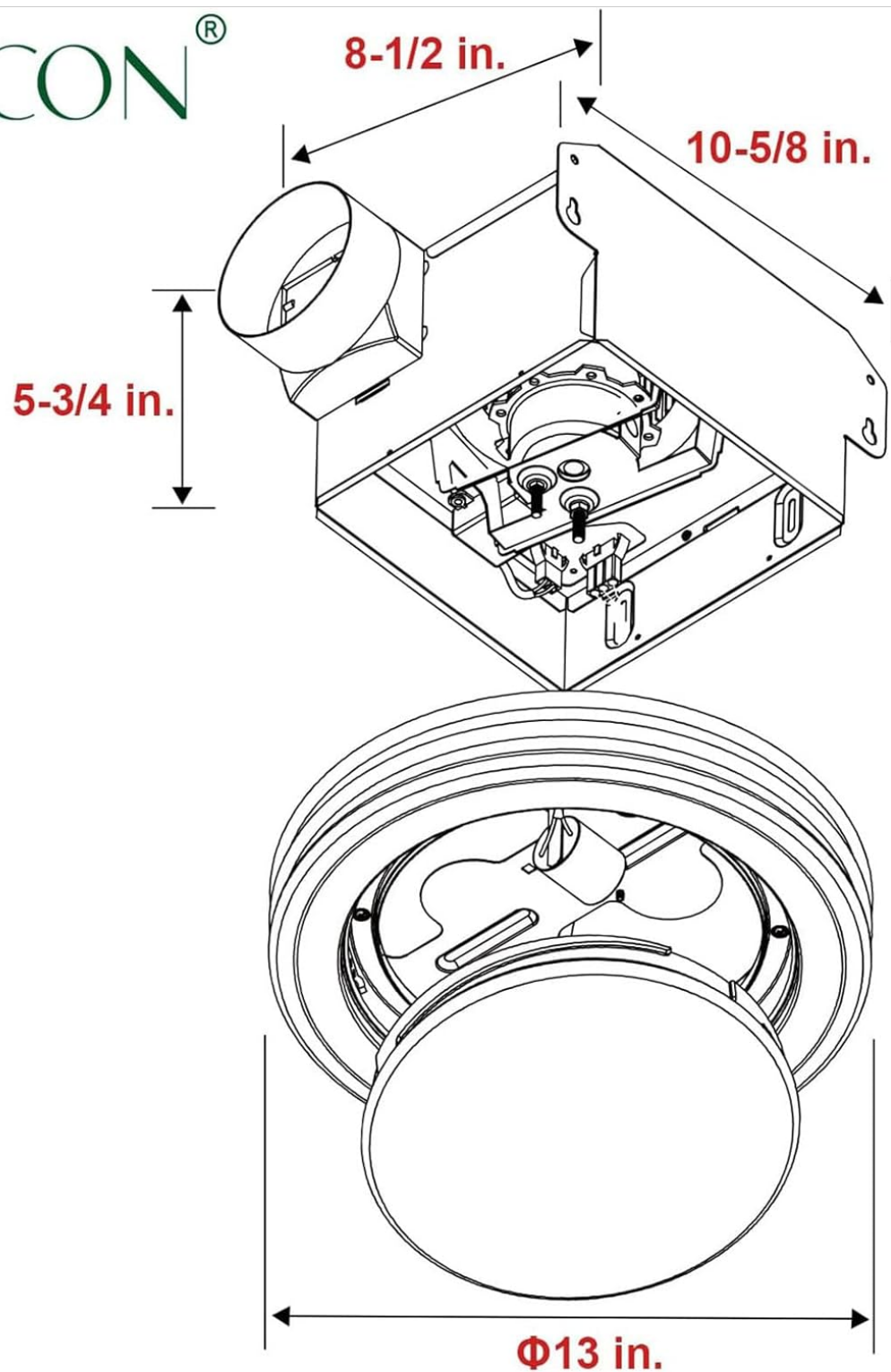


Image: Technical dimensions of the fan unit.

Installation Steps (with attic access):

1. **Prepare Opening:** Starting next to a joist, trace an outline for the housing. Use a drywall saw to cut the opening to the required size (9"x9").
2. **Secure Housing:** Screw the fan housing into the joists using appropriate fasteners.
3. **Connect Ductwork:** Attach the ventilation duct to the fan's duct connector. Apply HVAC tape over the connection to ensure an airtight seal.
4. **Electrical Wiring:** Connect the house wires to the fan wires. Remember to connect black to black, white to white, and ground to ground. Place insulation over and around the fan housing.
5. **Light Connection:** Plug in the light connection cable.
6. **Install Grille and Light:** Install the grille, screw in the LED bulbs, and then attach the glass cover.

Installation Steps (no attic access):

If attic access is not available, this model allows for installation from below the ceiling.

1. **Remove Motor:** Disconnect the wires connecting the motor to the housing. Remove the fixing screws on the outside of the housing to detach the motor assembly.
2. **Insert Housing:** After connecting the ventilation duct, send the housing into the ceiling opening.
3. **Secure Housing:** Secure the housing to the joist from below the ceiling using appropriate screws.
4. **Connect Wires:** Connect the wires correctly according to the label on the wires.
5. **Reinstall Motor:** Reinstall the motor back into the housing and connect the plugs.
6. **Install Grille and Light:** Install the grille, screw in the LED bulbs, and then attach the glass cover.

Installation Video:

Your browser does not support the video tag.

Video: Step-by-step installation guide for the Akicon Bathroom Exhaust Fan with Light (Model OH1480).

5. OPERATING INSTRUCTIONS

The Akicon BPT14-80CL fan and light can be operated independently or together, depending on how they were wired during installation.

- **Fan Operation:** Use the designated wall switch to turn the exhaust fan ON or OFF. The fan will remove moisture and odors from the room.
- **Light Operation:** Use the designated wall switch to turn the LED light ON or OFF.
- **Color Temperature Selection:** The LED light offers three selectable color temperatures: 3000K (Warm White), 4000K (Cool White), and 5000K (Daylight). To change the color temperature, locate the toggle switch on the fan housing (typically accessible by removing the glass cover) and slide it to your desired setting.

6. MAINTENANCE

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

Cleaning:

- **Disconnect Power:** Always turn off power at the circuit breaker before cleaning.
- **Remove Grille and Cover:** Carefully remove the glass cover and the decorative grille.
- **Clean Components:** Wash the grille and glass cover with mild soap and water. Wipe the fan blades and interior of the housing with a damp cloth. Ensure all parts are completely dry before reassembly.
- **Reassemble:** Reattach the grille and glass cover.

Bulb Replacement:

The LED bulbs in this unit are user-replaceable.

1. **Disconnect Power:** Turn off power at the circuit breaker.
2. **Remove Glass Cover:** Gently twist and remove the glass cover.

3. **Replace Bulbs:** Unscrew the old bulbs and screw in new compatible LED bulbs.
4. **Reinstall Cover:** Reattach the glass cover by twisting it back into place.

1480



LED Bulb:

- Preset CCT on the lampshade
- Bulbs can be replaced by user

Glass Globe:

- Frosted glass, more stylish
- Long-term use, not easily oxidized

LED Panel:

- Freely adjust CCT by the switch
- More energy-efficient

Acrylic Globe:

- Modern and simple
- Durable and break-resistant



1480NL

Image: Illustration of LED bulb and panel types, relevant for bulb replacement.

7. TROUBLESHOOTING

If you encounter issues with your Akicon exhaust fan, refer to the following 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 wire connections are secure (ensure power is off first). Contact customer support if motor is faulty.

Problem	Possible Cause	Solution
Light does not turn on	Loose bulb Burnt-out bulb Loose wiring connection	Ensure bulbs are screwed in tightly. Replace bulbs. Verify light connection plug and wiring (ensure power is off first).
Excessive noise during operation	Loose mounting screws Obstruction in fan blades Motor issue	Tighten mounting screws. Turn off power and remove any debris from fan blades. Contact customer support if noise persists after checking.
Light flickers	Loose bulb connection Faulty bulb Wiring issue	Ensure bulbs are screwed in tightly. Replace bulbs. Check wiring connections (ensure power is off first).

8. WARRANTY AND SUPPORT

The Akicon BPT14-80CL Bathroom Exhaust Fan comes with a **3-year quality guarantee**. It is HVI-certified and UL listed for installation over showers and tubs with GFCI protection.

For any questions, problems, or missing parts, please contact Akicon Customer Service. Our service hours are **8 a.m. to 6 p.m. EST, Monday-Friday**.

You can reach Akicon Customer Service through the seller 'Office&Home Improvement' on Amazon or via the contact information provided with your product packaging.