BLNAN LS-CL-G18W-M-S

BLNAN 8.7 Inch Motion Sensor LED Flush Mount Ceiling Light

Model: LS-CL-G18W-M-S

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your BLNAN 8.7 Inch Motion Sensor LED Flush Mount Ceiling Light. Please read this manual thoroughly before installation and retain it for future reference.

WHAT'S IN THE BOX

- Motion Sensor Ceiling Light (x4)
- Mounting Hardware
- Instruction Manual

SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power at the circuit breaker or fuse box before installation or servicing. Improper wiring can cause electric shock or fire.
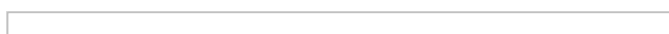
- Ensure the power supply is OFF before installation.
- Installation should be performed by a qualified electrician if you are not familiar with electrical wiring.
- Do not install on a dimmable circuit. This fixture is non-dimmable.
- This product is designed for indoor use only.
- Do not modify the fixture or its components.

SETUP AND INSTALLATION

The BLNAN Motion Sensor Ceiling Light is designed for easy hardwired installation on ceilings or walls.

Pre-Installation Steps

1. **Turn off Power:** Ensure the power to the installation area is completely off at the circuit breaker.
2. **Select Color Temperature:** Before mounting, locate the toggle switch on the light fixture (labeled C, N, W). Select your desired color temperature: 3000K (Warm White), 4000K (Neutral White), or 5000K (Cold White). This setting cannot be changed after installation without dismounting the fixture.

Figure 1: Color Temperature Selection Switch

Mounting Instructions

3. **Attach Mounting Bracket:** Secure the plastic mounting bracket to your existing junction box. The bracket is compatible with junction boxes having screw holes 2.75 to 3.7 inches apart.

4. **Connect Wiring:** Use the included wire nuts to connect the fixture's wires to your household wiring (Black to Black, White to White, Ground to Ground). The fixture includes a hanging rope for temporary support during wiring.

5. **Secure Fixture:** Align the light fixture with the plastic bracket and rotate it clockwise until it locks securely into place.

Figure 2: Installation Steps

Figure 3: Hardwired Connection and Dimensions

Figure 4: Wall Mount and Ceiling Mount Options

Installation Video

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Video 1: BLNAN Motion Sensor Ceiling Light Installation and Features. This video demonstrates the installation process and highlights key features of the BLNAN motion sensor ceiling light.

OPERATING INSTRUCTIONS

Your BLNAN Motion Sensor Ceiling Light features adjustable operating modes and hold times.

Operating Modes

Locate the mode switch next to the motion sensor on the fixture. Slide the switch to select one of the three operating modes:

- **AUTO Mode (Motion and Light Sensor):** The light activates only when motion is detected in dark conditions. It will not turn on during daylight hours.
- **ON Mode (Constant Light):** The light remains continuously on, regardless of motion or ambient light conditions.
- **G Mode (Only Motion Sensor):** The light activates when motion is detected, functioning in both day and night conditions.

Figure 5: Operating Modes Explained

Hold Time Settings

The light features a switch to adjust how long the light stays on after motion is no longer detected. Select from 30 seconds, 120 seconds, or 180 seconds.

Figure 6: Hold Time and Mode Switches

Motion Sensor Detection

The built-in PIR infrared motion detector has a detection angle of up to 120° and a detection range of 10-20 feet (semidiameter). The recommended mounting height is 8-11.5 feet for optimal performance.

Figure 7: Motion Sensor Detection Range

MAINTENANCE

To ensure the longevity and optimal performance of your BLNAN Motion Sensor Ceiling Light, follow these simple maintenance guidelines:

- **Cleaning:** Disconnect power before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use harsh chemicals, abrasive cleaners, or solvents, as these may damage the finish or electrical components.
- **Inspection:** Periodically check for any loose wiring or damage to the fixture. If any issues are found, disconnect power and consult a qualified electrician.
- **Bulb Replacement:** This LED fixture does not require bulb replacement. The LEDs are integrated and designed for long-term use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Incorrect wiring. Mode switch set to AUTO in bright conditions.	Check circuit breaker. Verify wiring connections. Switch to ON or G mode to test.
Motion sensor not detecting.	Obstruction in sensor's field of view. Incorrect mode setting. Sensor malfunction.	Ensure clear path to sensor. Set to AUTO or G mode. Contact support if issue persists.
Light turns on randomly.	Sensor detecting subtle movements (e.g., drafts, small pets). Sensor sensitivity.	Ensure fixture is installed in a stable location. Consider adjusting sensor placement if possible.
Light stays on too long/short.	Incorrect hold time setting.	Adjust the hold time switch to your desired duration (30s, 120s, 180s).

SPECIFICATIONS

Feature	Detail
Brand	BLNAN
Model Name	Ceiling Light (LS-CL-G18W-M-S)
Product Dimensions	8.7"L x 8.7"W x 0.98"H
Color Temperature	3000K, 4000K, 5000K (Selectable)
Brightness	1800 Lumens
Wattage	18 Watts
Voltage	120 Volts
Power Source	Corded Electric (Hardwired)
Installation Type	Flush Mount (Ceiling or Wall)

Feature	Detail
Motion Sensor	PIR Infrared, 120° Detection Angle, 10-20 ft Range
Special Features	3 Color Temperatures, Energy Efficient, Motion Sensor, Adjustable Timer
Indoor/Outdoor Usage	Indoor
Material	Plastic
Finish Type	Matte

WARRANTY INFORMATION

BLNAN products are manufactured to high-quality standards. For specific warranty details, please refer to the documentation included with your purchase or contact BLNAN customer support. This warranty typically covers defects in materials and workmanship under normal use.

CUSTOMER SUPPORT

If you have any questions, require assistance with installation, or encounter any issues with your BLNAN Motion Sensor Ceiling Light, please contact our customer support team. Contact information can typically be found on the product packaging or the official BLNAN website.