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› [BLNAN 8.7 Inch Wired Motion Sensor LED Ceiling Light \(Model LD-GB-028WM\) Instruction Manual](#)

## BLNAN LD-GB-028WM

# BLNAN 8.7 Inch Wired Motion Sensor LED Ceiling Light

Model: LD-GB-028WM | Brand: BLNAN

### INTRODUCTION

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

### PRODUCT FEATURES

- **Integrated Motion Sensor:** Built-in PIR infrared motion detector with a 120° detection angle and a range of 10ft (semidiameter).
- **Adjustable Hold Time:** Selectable light-on duration of 30 seconds, 120 seconds, or 180 seconds after motion detection.
- **Three Operating Modes:**
  - **AUTO Mode:** Light activates when motion is detected in dark conditions.
  - **ON Mode:** Light remains constantly on.
  - **G Mode:** Light activates when motion is detected in both daytime and nighttime conditions.
- **Three Color Temperatures:** Selectable color temperatures of 3000K (Warm White), 4000K (Neutral White), and 5000K (Cool White) via a toggle switch before installation.
- **Ultra-Thin Design:** Low-profile design with a diameter of 8.7 inches and a thickness of 0.99 inches, suitable for various spaces.
- **Versatile Installation:** Can be installed as a flush mount on ceilings or walls.

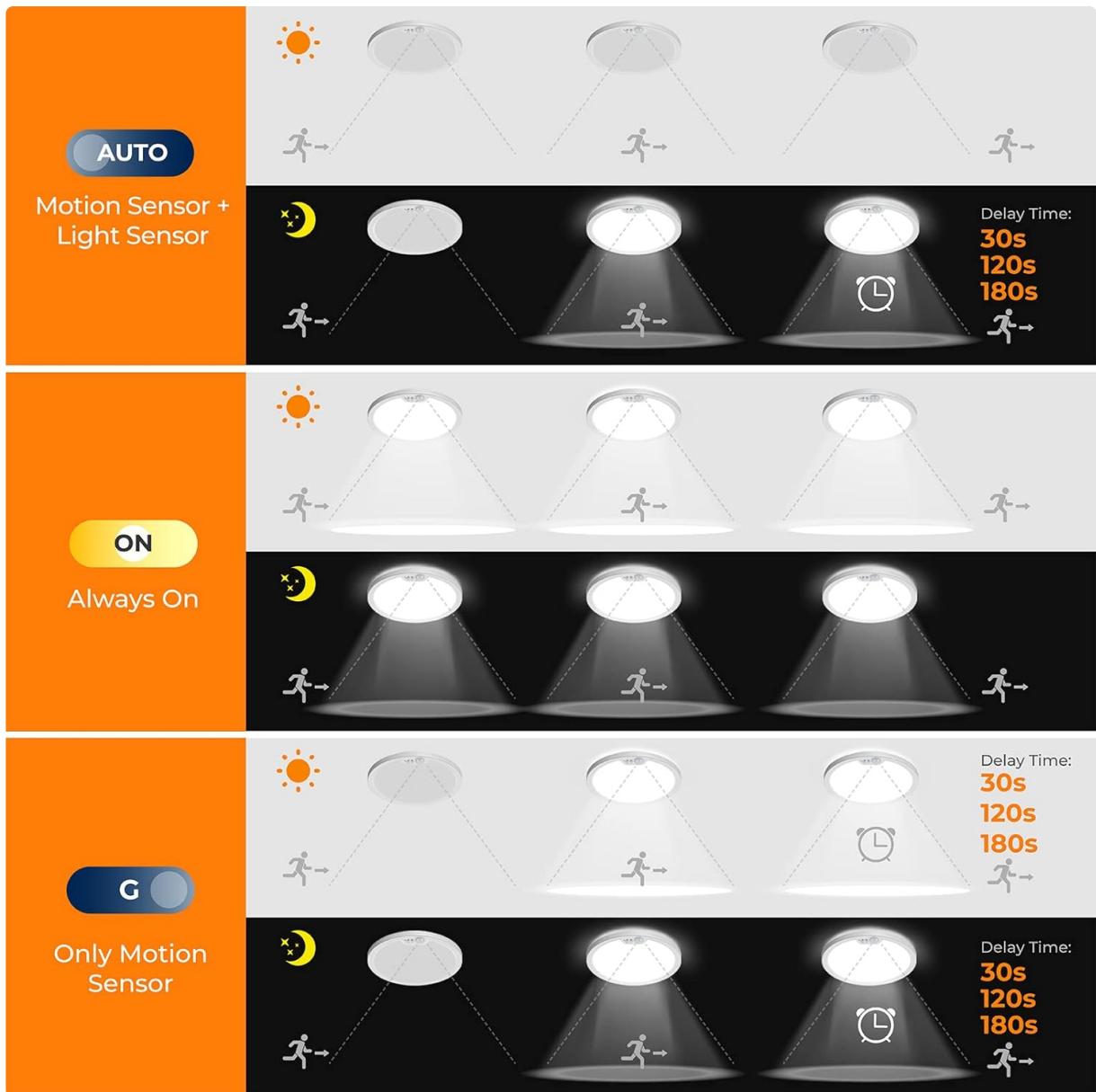


Figure 1: Illustration of the three operating modes (AUTO, ON, G) and their activation conditions.

## 3 Color Temperatures Selectable



| **C** 5000K  
Cold White

| **N** 4000K  
Neutral White

| **W** 3000K  
Warm White



### Easy to Switch the Light Color

\*Choose your favor color temperature before installation.



Figure 2: Detail of the color temperature toggle switch and motion sensor on the light fixture.

## PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1x Corded Motion Activated Ceiling Light
- 1x Mounting Hardware Package (screws, wire nuts, plastic bracket)
- 1x Instruction Manual (this document)

# 8.66 Inch Sensor Ceiling Light



Figure 3: Contents of the BLNAN Motion Sensor LED Ceiling Light package.

## SAFETY INFORMATION

**WARNING:** Risk of electric shock. Disconnect power at the circuit breaker or fuse box before installation or servicing. Consult a qualified electrician if you are unsure about electrical wiring. Always follow local electrical codes.

- Ensure the power supply is OFF before handling any wiring.
- This fixture is designed for 120V AC power supply.
- Do not attempt to modify the fixture.
- Keep children away from the installation area.

## SETUP & INSTALLATION

Follow these steps for proper installation:

### 1. Prepare for Installation:

- Turn off power at the circuit breaker before starting.

- Before mounting, select your desired color temperature (3000K, 4000K, or 5000K) using the toggle switch located on the back of the fixture.

## 2. Install Mounting Bracket:

- Rotate and remove the plastic mounting bracket from the light fixture.
- Attach the plastic bracket to your existing junction box using the provided screws. The bracket is designed for junction boxes with 2.75"-3.7" apart screw holes.

## 3. Wire Connections:

- Connect the wires from the light fixture to your household wiring: Black to Black (Live), White to White (Neutral), and Green to Green/Bare Copper (Ground). Secure connections with wire nuts.
- Use the hanging rope to temporarily support the fixture during wiring.

## 4. Mount the Light Fixture:

- Carefully tuck all wires into the junction box.
- Align the light fixture with the installed mounting bracket and rotate it clockwise until it locks securely into place.

## 5. Restore Power: Turn the power back on at the circuit breaker.

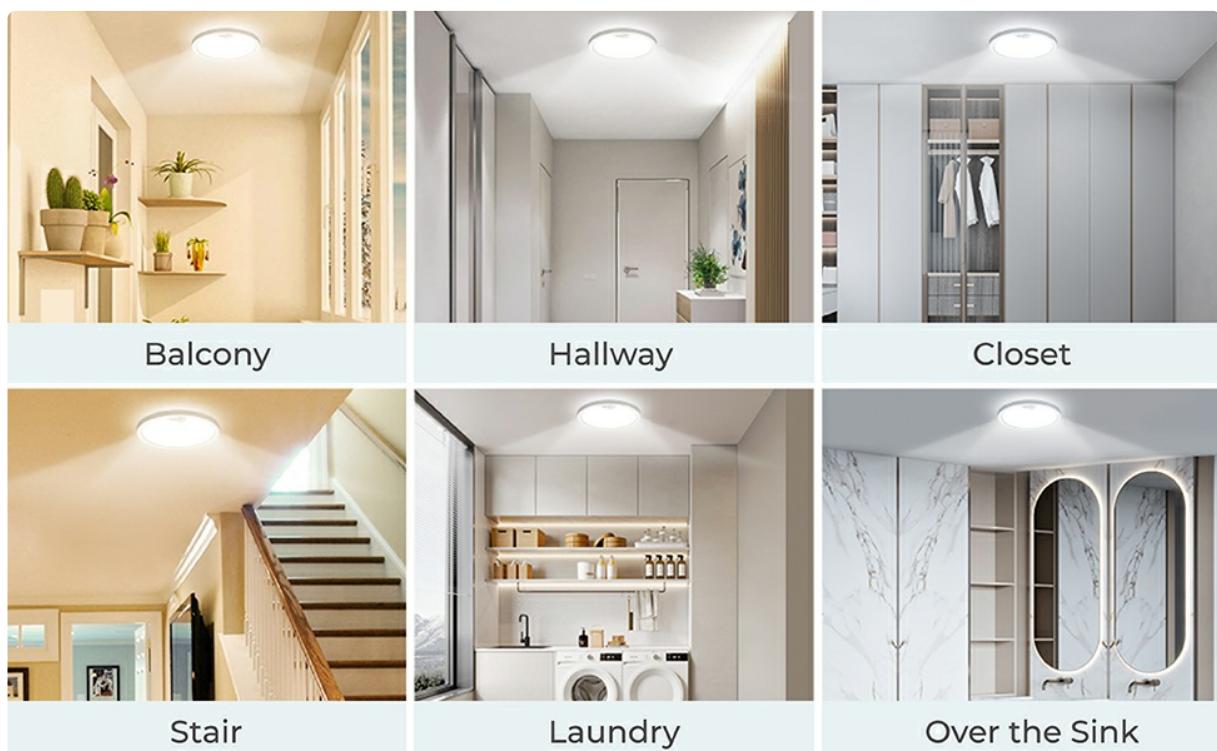


Figure 4: Visual guide for the installation process.

Video 1: Official BLNAN Motion Sensor Ceiling Light Installation Overview. This video demonstrates the installation process and key features of the light.

## OPERATING INSTRUCTIONS

The light fixture features adjustable settings for operating mode and hold time. These settings are controlled by small switches located near the motion sensor on the fixture's surface.

### 1. Selecting Operating Mode:

- Locate the mode switch (labeled AUTO, ON, G).
- Slide the switch to your desired mode:

- **AUTO:** Motion and light sensor activated. Light turns on only when motion is detected in dark conditions.
- **ON:** Light remains continuously on, regardless of motion or ambient light.
- **G:** Motion sensor activated. Light turns on when motion is detected, both during the day and at night.

## 2. Adjusting Hold Time:

- Locate the hold time switch (labeled 30S, 120S, 180S).
- Slide the switch to set how long the light remains on after motion is no longer detected:
  - **30S:** 30 seconds
  - **120S:** 120 seconds (2 minutes)
  - **180S:** 180 seconds (3 minutes)

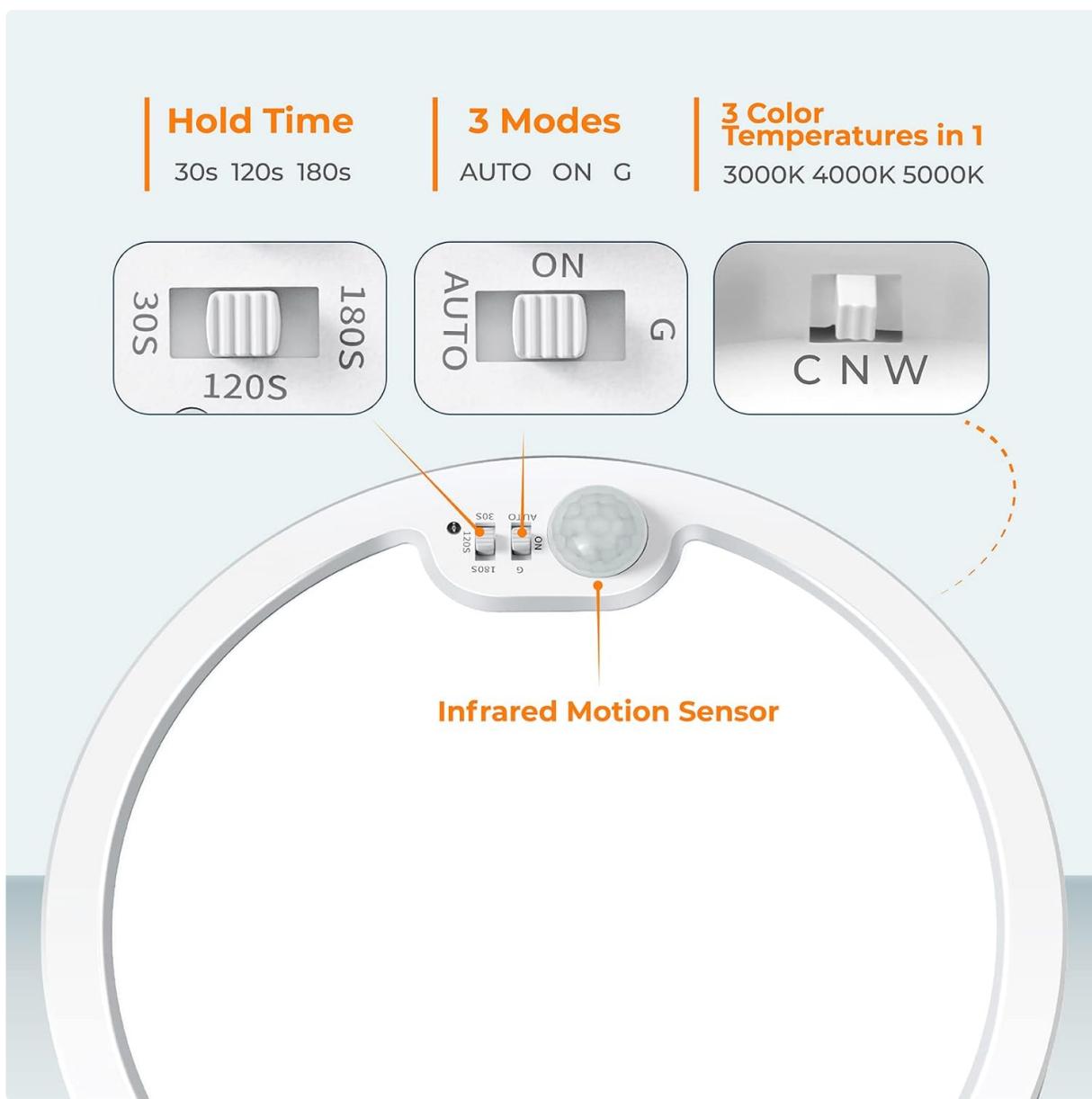


Figure 5: Switches for adjusting hold time and operating modes.

## MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your LED ceiling light.

- **Cleaning:** Turn off power before cleaning. Use a soft, dry cloth to wipe the fixture. Do not use abrasive cleaners or solvents, as these may damage the finish or electrical components.

- **LED Lifespan:** The integrated LED light source has an average lifespan of 30,000 hours and is not user-replaceable.
- **Inspection:** Periodically check the fixture for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.

## TROUBLESHOOTING

If you encounter issues with your light fixture, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; incorrect wiring; ambient light too bright (in AUTO mode).	Check circuit breaker. Verify wiring connections. Switch to G mode to test motion sensor in brighter conditions.
Light turns on unexpectedly or stays on too long.	Motion sensor interference; incorrect mode/hold time setting; faulty sensor.	Ensure no objects are moving within the sensor's range. Adjust hold time setting. Try switching modes.
Light flickers.	Unstable power supply; loose wiring connection.	Check power supply stability. Verify all wire connections are secure.

## SPECIFICATIONS

Attribute	Detail
Model Number	LD-GB-028WM
Dimensions	8.7" L x 8.7" W x 0.98" H
Wattage	18 Watts
Brightness	1800 Lumens
Color Temperatures	3000K (Warm White), 4000K (Neutral White), 5000K (Cool White)
Voltage	120 Volts
Motion Sensor Detection Angle	120°
Motion Sensor Detection Range	10ft (semidiameter)
Recommended Mounting Height	11.5ft
Average Life	30,000 Hours
Material	Plastic
Indoor/Outdoor Usage	Indoor
Dimmable	No

## WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your

purchase or visit the official BLNAN website. Keep your purchase receipt as proof of purchase.