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LUXON B09N3LQL4G

LUXON 5W E26 Radar Motion Sensor LED Light Bulb User Manual

Model: B09N3LQL4G

1. INTRODUCTION

Thank you for choosing the LUXON 5W E26 Radar Motion Sensor LED Light Bulb. This product is designed to provide convenient, energy-efficient lighting with advanced radar motion detection and dusk-to-dawn functionality. Please read this manual carefully to ensure proper installation, operation, and maintenance.

2. PRODUCT FEATURES

- **Radar Motion Sensor:** More sensitive and penetrating than traditional infrared sensors, detecting motion through glass, veneer, and thin walls.
- **Dusk-to-Dawn Functionality:** Automatically turns on only in dark or dim light conditions when motion is detected.
- **Automatic On/Off:** Lights up upon motion detection and turns off automatically after approximately 30 seconds of no motion.
- **Wide Detection Range:** Detects motion within 13-19 feet (4-6 meters).
- **Energy Efficient:** 5W LED replaces 50W incandescent bulbs, saving over 90% on electricity.
- **Long Lifespan:** Approximately 20,000 hours of operation.
- **Soft White Light:** 2700K color temperature for a warm and inviting ambiance.
- **Standard E26 Base:** Easy installation into common light sockets.

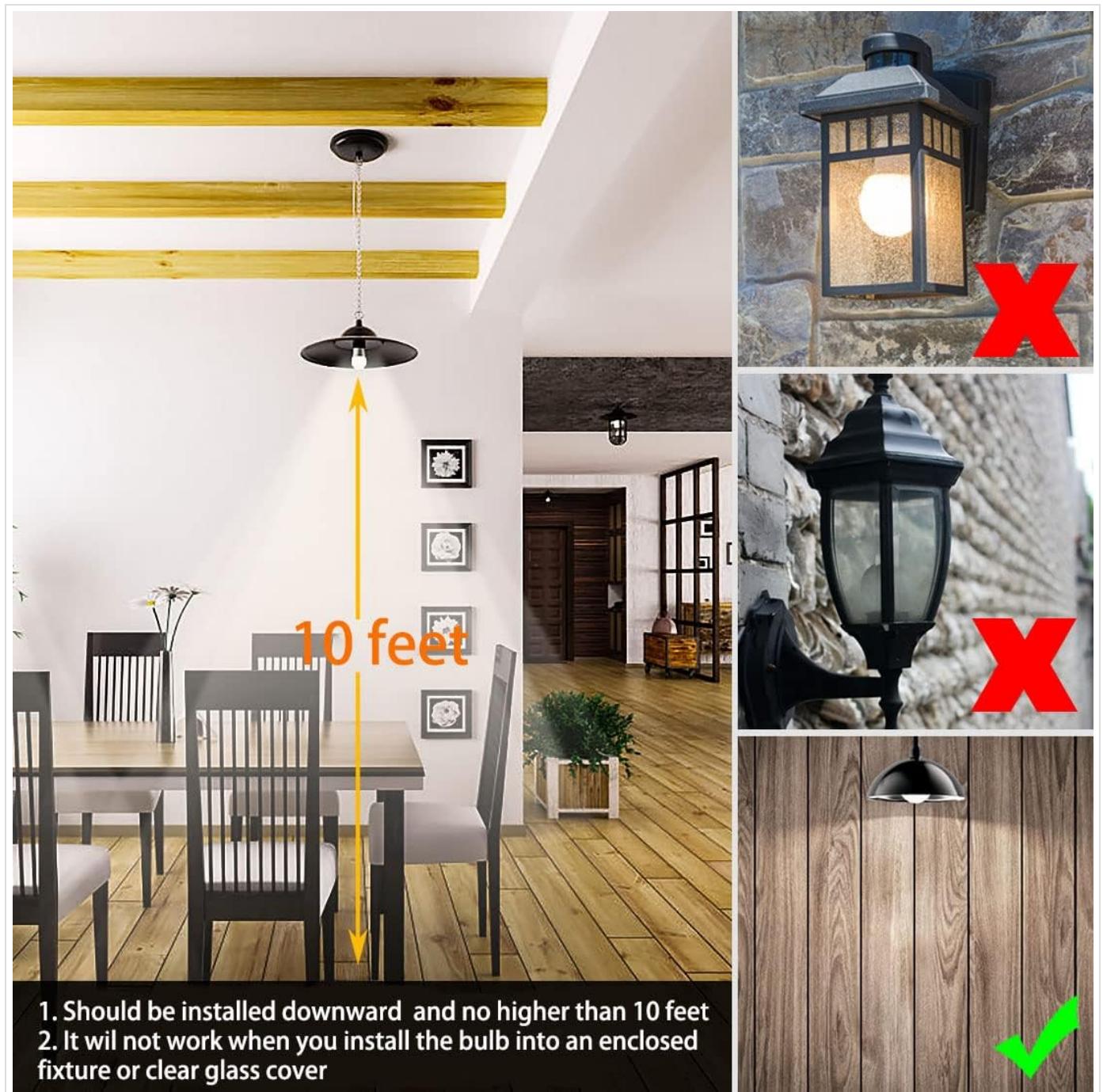


Image 2.1: An overview of the intelligent radar bulb's capabilities, including its light sensor, radar induction, and energy-saving automatic shut-off.

3. SPECIFICATIONS

| | |
|--------------------------|----------------------------------|
| Brand | LUXON |
| Model | B09N3LQL4G |
| Light Type | LED |
| Wattage | 5W (50W Incandescent Equivalent) |
| Bulb Base | E26 |
| Color Temperature | 2700K Warm White |
| Brightness | 450 Lumens |

| | |
|-----------------------------|-------------------------|
| Voltage | 100-120V AC, 60Hz |
| Average Lifespan | 20,000 Hours |
| Detection Range | 13-19 feet (4-6 meters) |
| Indoor/Outdoor Usage | Yes |



Image 3.1: Physical dimensions of the LUXON motion sensor bulb, indicating its compact size for various fixtures.

4. SETUP AND INSTALLATION

Follow these steps for safe and effective installation:

- Power Off:** Before installation, ensure the power to the light fixture is turned off at the circuit breaker to prevent electrical shock.
- Insert Bulb:** Screw the LUXON motion sensor bulb into a standard E26 light socket. Ensure it is securely tightened.

3. **Positioning:** The bulb should be installed downward and no higher than 10 feet (approximately 3 meters) for optimal motion detection.
4. **Avoid Enclosed Fixtures:** Do not install the bulb into an enclosed fixture or one with a clear glass cover. This can significantly reduce the motion detection radius and interfere with the radar sensor's performance.
5. **Power On:** Restore power to the light fixture. The bulb will initially light up for 40-60 seconds regardless of motion. This is a normal initialization period.



Image 4.1: Proper installation is crucial for optimal performance. The bulb should be installed facing downward and not in enclosed or clear glass fixtures.



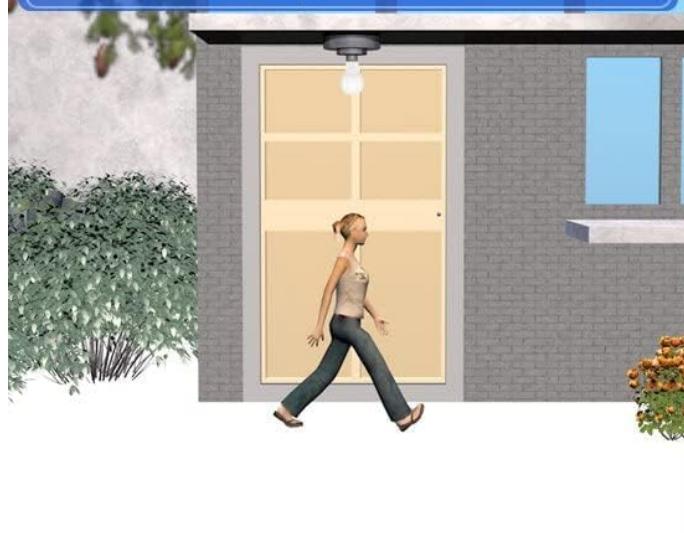
Image 4.2: The LUXON Motion Sensor LED Light Bulb features a standard E26 base and emits a warm white light.

5. OPERATING INSTRUCTIONS

The LUXON motion sensor bulb operates automatically based on ambient light and motion detection:

- **Dusk-to-Dawn Operation:** The bulb will only activate in dark or dim light conditions (below 5-10 lux). It will not turn on during daylight hours, even if motion is detected.
- **Motion Detection:** When the ambient light is low enough, the bulb will turn on automatically if it detects motion within its 13-19 feet range. The radar sensor can detect movement through certain non-metallic obstacles.
- **Initial Power-On:** Upon first installation or after a power cycle, the bulb will remain lit for 40-60 seconds regardless of motion. This is normal.
- **Auto-Off Function:** If no further motion is detected within the sensor area, the bulb will automatically turn off after approximately 30 seconds.
- **Continuous Lighting:** If continuous motion is detected within the sensor area, the bulb will remain lit until motion ceases.

Under strong light over 5-10lux, bulb will not turn on at daytime even with motion



Bulb turns on at dusk or night with dim light lower 5-10lux, if motion detected



Continuous movement within range keeps the light always on



It will turn off after 30 seconds when you leave the sensor area

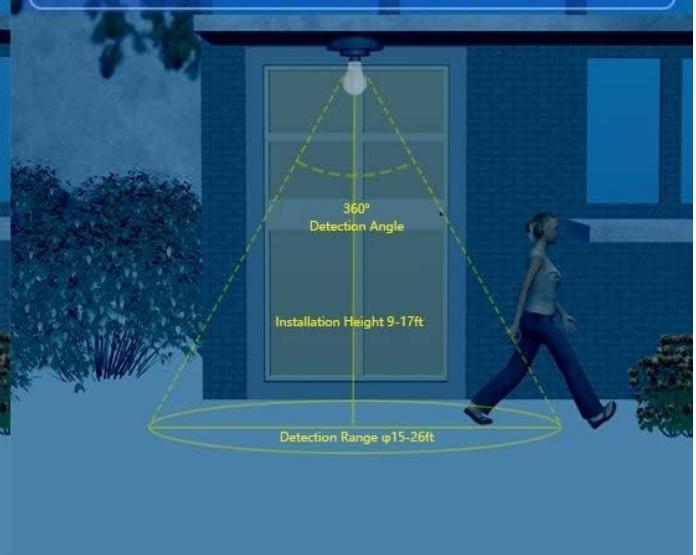


Image 5.1: This diagram explains the operational logic of the radar motion sensor, including its dusk-to-dawn functionality and motion detection.



Image 5.2: Examples of suitable applications for the LUXON motion sensor bulb, demonstrating its versatility for both indoor and outdoor use.

6. MAINTENANCE

The LUXON LED motion sensor bulb requires minimal maintenance:

- **Cleaning:** Ensure the bulb is cool and power is off before cleaning. Gently wipe the bulb with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Handling:** Handle the bulb by its base to avoid touching the glass surface, which can leave residues.
- **Storage:** If storing the bulb, keep it in its original packaging in a cool, dry place.

7. TROUBLESHOOTING

If you encounter issues with your LUXON motion sensor bulb, refer to the following common solutions:

- **Bulb does not turn on:**
 - Check if the power to the fixture is on.
 - Verify that the bulb is screwed in securely.
 - Ensure ambient light conditions are dark enough for the dusk-to-dawn sensor to activate.
 - Confirm motion is occurring within the 13-19 feet detection range.
 - Check if the bulb is installed in an enclosed fixture or behind a thick glass cover, which can impede radar detection.
- **Bulb stays on continuously:**
 - During the first 40-60 seconds after initial installation or power-on, the bulb will stay lit. This is normal.
 - Ensure there is no continuous motion within the detection range. The bulb will remain on as long as motion is detected.
 - Check for environmental factors like swaying branches or small animals that might be triggering the sensor.
- **Bulb turns on during the day:**

- The ambient light sensor may be obstructed or in a shaded area, causing it to perceive darkness. Relocate the bulb or clear any obstructions.

- **Reduced detection range:**

- Ensure the bulb is installed downward and not higher than 10 feet.
- Avoid installing in enclosed fixtures or behind clear glass covers, as this can significantly reduce the sensor's effectiveness.
- Obstacles like thick walls or metal objects can block radar signals.

8. WARRANTY INFORMATION

Specific warranty details for the LUXON 5W E26 Radar Motion Sensor LED Light Bulb are not provided in this manual. Please refer to the product packaging, your purchase receipt, or the official LUXON website for comprehensive warranty terms and conditions.

9. SUPPORT AND CONTACT

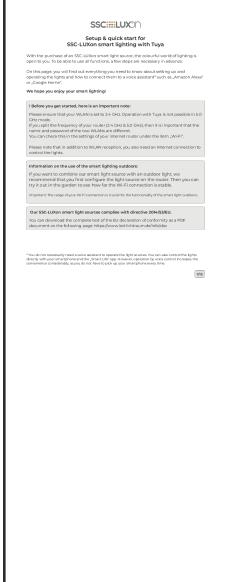
For further assistance, technical support, or inquiries regarding your LUXON product, please contact LUXON customer support through the official brand website or the retailer where the product was purchased.

You can visit the LUXON Store for more information: [LUXON Store](#)

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Related Documents - B09N3LQL4G

| | |
|---|--|
|  | <p>SSC-LUXon KELEA Motion Detector: Assembly and Operating Instructions</p> <p>Comprehensive assembly and operating instructions for the SSC-LUXon KELEA motion detector, covering installation, setup, technical specifications, troubleshooting, and safety guidelines.</p> |
|  | <p>SSC-LUXon Juavi Quadratische Bodeneinbauleuchte: Montage- und Betriebsanleitung</p> <p>Umfassende Montage- und Betriebsanleitung für die SSC-LUXon Juavi quadratische Bodeneinbauleuchte, inklusive Sicherheitshinweisen, technischen Daten und Montageanleitung.</p> |
|  | <p>SSC-LUXon KELEA Motion Detector Installation and Operation Manual</p> <p>Comprehensive guide for installing, operating, and troubleshooting the SSC-LUXon KELEA motion detector. Includes technical specifications, safety instructions, and mounting details.</p> |
|  | <p>SSC-LUXon KELEA Bewegungsmelder Montage- und Betriebsanleitung</p> <p>Umfassende Anleitung zur Installation, Bedienung und Fehlerbehebung des SSC-LUXon KELEA Bewegungsmelders. Enthält technische Daten, Sicherheitshinweise, Montageanleitungen und Fehlerbehebungstipps.</p> |



[SSC-LUXon Smart Lighting Quick Start Guide: Setup, Tuya App, Alexa, Google Home, Siri](#)

This guide provides step-by-step instructions for setting up and controlling SSC-LUXon smart lighting with the Tuya Smart Life app. Learn how to connect to Amazon Alexa, Google Home, and Apple Siri for seamless smart home integration.



[SSC-LUXon JADINA Ground Recessed Spotlight Installation and Operation Manual](#)

Comprehensive installation and operation manual for the SSC-LUXon JADINA series of ground recessed spotlights, detailing safety, mounting, technical specifications, and maintenance.