

MikeWin QP6012SA

MikeWin Motion Sensor LED Light Bulb User Manual

Model: QP6012SA

1. INTRODUCTION

Thank you for choosing MikeWin Motion Sensor LED Light Bulbs. These bulbs are designed to provide convenient and energy-efficient lighting by automatically activating when motion is detected in low-light conditions. This manual provides essential information for the safe installation, operation, and maintenance of your new light bulbs.

2. SAFETY INFORMATION

- Ensure power is turned off at the circuit breaker before installation or removal.
- Do not use with dimmer switches. These bulbs are non-dimmable.
- Do not disassemble or modify the bulb.
- Avoid installing in fully enclosed fixtures, as this may affect sensor performance and bulb lifespan.
- For optimal performance, install in open fixtures where the sensor has a clear line of sight.
- Operating voltage: 100-120V AC, 50/60Hz.

3. PRODUCT OVERVIEW

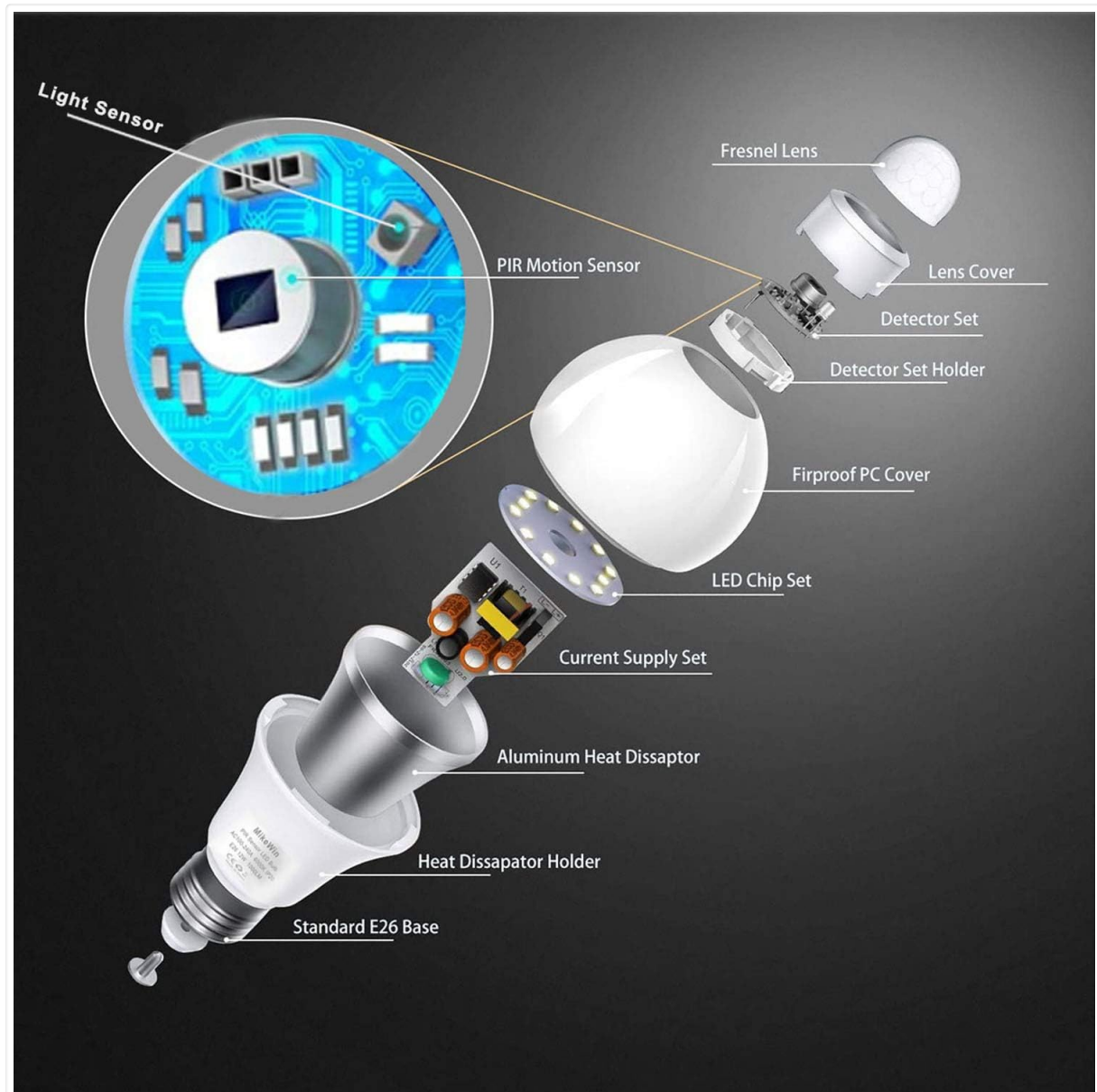
The MikeWin Motion Sensor LED Light Bulb combines a light sensor and a PIR (Passive Infrared) motion sensor to provide automated lighting. It features an A19 shape with an E26 base, emitting 5000K daylight white light.

Key Features:

- Integrated Motion Sensor: Automatically detects movement.
- Dusk-to-Dawn Functionality: Operates only in low-light conditions.
- Energy Efficient: 13W LED, equivalent to a 100W incandescent bulb.

- High Brightness: 1100 Lumens.
- Daylight Color Temperature: 5000K.
- Standard Base: E26.
- Wide Detection Angle: 120 degrees.
- Long Lifespan: Approximately 30,000 hours.

Components:



This diagram illustrates the internal components of the MikeWin Motion Sensor LED Light Bulb, including the light sensor, PIR motion sensor, Fresnel lens, LED chip set, current supply, aluminum heat dissaptor, and E26 base.

4. SETUP AND INSTALLATION

Installation is straightforward, similar to a standard light bulb. Follow these guidelines for optimal performance:

1. **Power Off:** Before installing, ensure the power to the light fixture is turned off at the main circuit breaker.
2. **Screw In:** Carefully screw the MikeWin Motion Sensor LED Light Bulb into a standard E26 socket. Do

not overtighten.

3. **Fixture Type:** Install in open fixtures. Avoid fully enclosed fixtures, as they can block the sensor and trap heat, reducing bulb life.
4. **Orientation:** For best motion detection, the bulb should be installed in a downward-facing position.
5. **Installation Height:** Recommended installation height is between 10-12 feet (approximately 3-3.6 meters) for optimal detection range.
6. **Detection Range:** The motion sensor has a detection range of 7-8 meters (23-26 feet) and a 120-degree detection angle. Ensure the sensor has a clear line of sight to the area you wish to monitor.
7. **Power On:** Restore power to the fixture. The bulb will perform a self-test and then enter operational mode.



This image provides visual guidance for installing the motion sensor bulbs, emphasizing the recommended downward orientation and an installation height between 10-12 feet for optimal performance. It also shows suitable fixture types.

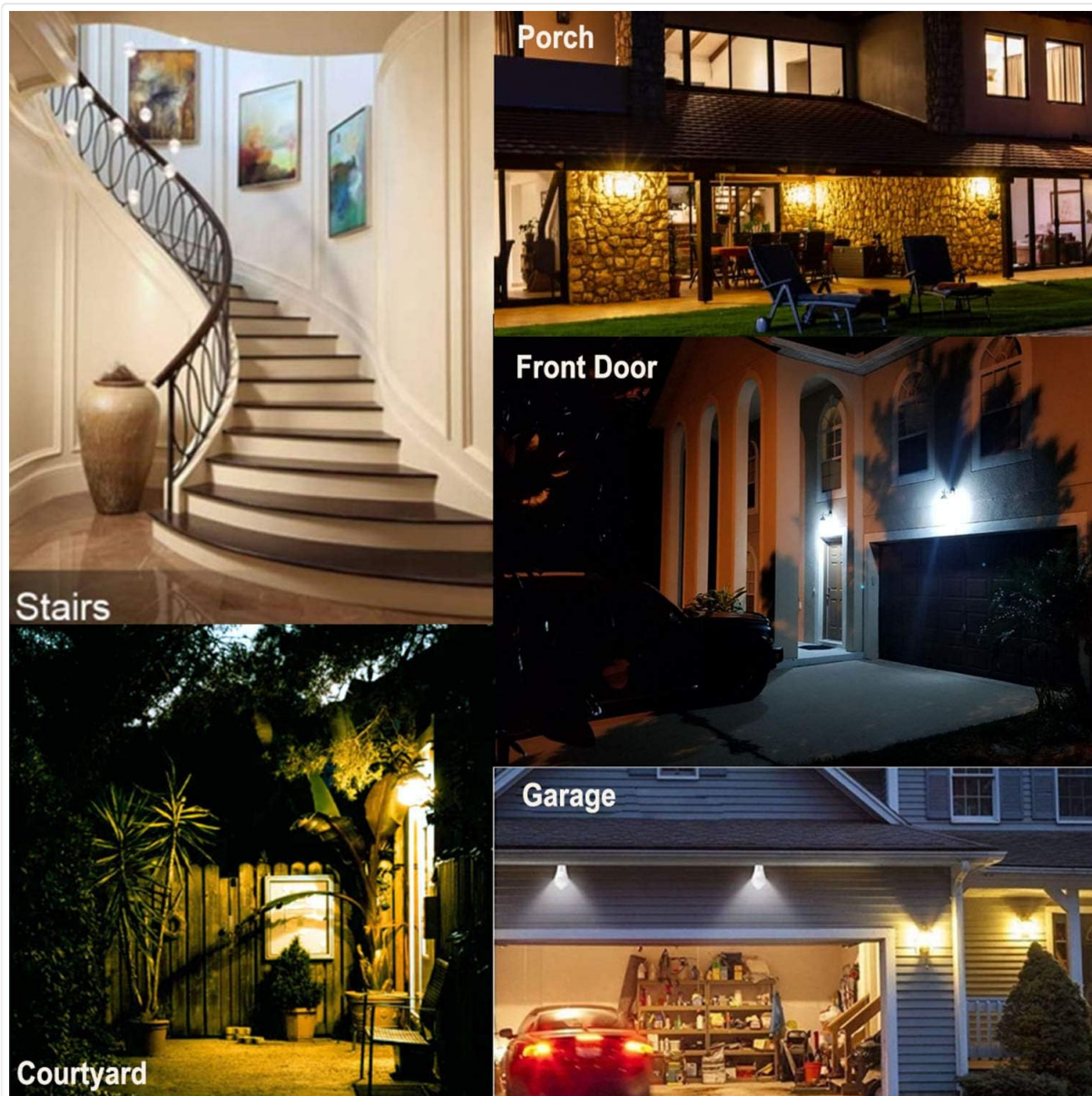
5. OPERATING INSTRUCTIONS

The MikeWin Motion Sensor LED Light Bulb operates automatically based on ambient light levels and motion detection.

- **Daytime Operation:** During daylight hours or in brightly lit environments, the bulb will remain off, conserving energy. The integrated light sensor prevents activation when sufficient ambient light is present.
- **Nighttime Operation:** When ambient light levels drop (e.g., at dusk or in a dark room), the bulb becomes active.
- **Motion Detection:** If motion is detected while the bulb is active (i.e., in low light), the bulb will illuminate.
- **Automatic Shut-off:** The bulb will remain lit as long as motion is continuously detected. Approximately 45 seconds after the last detected motion, the bulb will automatically turn off.



This graphic explains the operational logic of the motion sensor bulb: it remains off during the day, activates at night upon detecting motion, and turns off approximately 45 seconds after motion ceases.



This collage demonstrates various practical applications for the MikeWin Motion Sensor LED Light Bulbs, including illuminating stairs, porches, front doors, garages, and courtyards.

6. MAINTENANCE

These LED light bulbs require minimal maintenance.

- **Cleaning:** Ensure the power is off before cleaning. Use a soft, dry cloth to wipe the bulb. Do not use liquid cleaners or abrasive materials.
- **Sensor Area:** Keep the sensor area clear of dust, dirt, or obstructions to ensure proper motion detection.
- **No User-Serviceable Parts:** The bulb contains no user-serviceable parts. Do not attempt to open or repair it.

7. TROUBLESHOOTING

If you encounter issues with your MikeWin Motion Sensor LED Light Bulb, refer to the following common problems and solutions:

- **Bulb does not turn on:**

- Check if the power to the fixture is on.
- Ensure it is dark enough for the light sensor to activate. The bulb will not turn on in bright conditions.
- Verify that motion is occurring within the detection range and angle.
- Confirm the bulb is screwed in properly and making good contact with the socket.

- **Bulb turns on constantly or stays on too long:**

- Check for continuous motion within the sensor's range (e.g., pets, moving branches, traffic).
- Ensure there are no heat sources (e.g., vents, heating elements) near the sensor that could trigger it.
- Verify that the ambient light is sufficiently low. If there is too much light, the bulb may cycle on and off erratically.

- **Bulb flickers:**

- Ensure the bulb is not connected to a dimmer switch. These bulbs are non-dimmable.
- Check for stable power supply to the fixture.

- **Reduced motion detection sensitivity:**

- Ensure the sensor is not obstructed by the fixture, dust, or other objects.
- Verify the installation height is within the recommended 10-12 feet range.
- Extreme temperatures can sometimes affect sensor performance.

8. SPECIFICATIONS

Specification	Value
Brand	MikeWin
Model Name	QP6012SA
Light Type	LED
Wattage	13 Watts
Incandescent Equivalent	100 Watts
Brightness	1100 Lumens
Color Temperature	5000K Daylight
Bulb Shape Size	A19
Bulb Base	E26
Voltage	100-120 Volts
Frequency	50/60 Hertz
Special Feature	Motion Sensor, Dusk to Dawn, Non-Dimmable

Specification	Value
Indoor/Outdoor Usage	Indoor, Outdoor
Average Life	30,000 Hours
Product Dimensions	2.3"W x 4.5"H
Item Weight	7.4 ounces

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the product packaging or contact MikeWin customer service directly. Details are typically available on the manufacturer's official website or through your purchase platform.