Boxlood QP6007SB

Boxlood Outdoor Dusk to Dawn LED Light Bulb User Manual

Model: QP6007SB

Automatic On/Off Light Sensor Bulb

Introduction	Safety	Contents	Setup	Operation	Maintenance	Troubleshooting	Specifications
				& Support			

1. INTRODUCTION

Thank you for choosing the Boxlood Outdoor Dusk to Dawn LED Light Bulb. This product is designed to provide convenient and energy-efficient lighting for your outdoor and indoor spaces. Featuring a built-in photocell detector, the bulb automatically turns on at dusk and off at dawn, eliminating the need for manual operation or external timers. This manual provides essential information for safe installation, operation, and maintenance of your new LED bulbs.

Image 1.1: Boxlood Dusk to Dawn LED Light Bulbs (4-pack) and packaging.

2. IMPORTANT SAFETY INFORMATION

Please read all safety instructions before installation and use.

- **Risk of Electric Shock:** Always disconnect power before installing or replacing bulbs.
- **Indoor/Outdoor Use:** These bulbs are suitable for both indoor and outdoor use. Ensure fixtures are appropriate for the environment.
- **Operating Voltage:** Use only with 100-120V AC, 60Hz power supply.
- **Non-Dimmable:** These bulbs are **not dimmable**. Do not use with dimmer switches, as this may damage the bulb or the dimmer.
- **Enclosed Fixtures:** Suitable for use in totally enclosed luminaires (clear, translucent, or frosted).
- **Temperature:** Do not install in areas with extreme temperatures outside the recommended operating range.
- **Children:** Keep out of reach of children.

3. PACKAGE CONTENTS

The Boxlood Outdoor Dusk to Dawn LED Light Bulb package includes:

- Boxlood Dusk to Dawn LED Bulbs (Quantity: 4)
- User Manual (this document)

4. Setup and Installation

Installation of the Boxlood Dusk to Dawn LED Light Bulb is straightforward and requires no special tools or wiring.

1. **Power Off:** Before installation, ensure the power to the light fixture is turned off at the switch and, if possible, at the circuit breaker.
2. **Remove Old Bulb:** Carefully unscrew and remove the existing light bulb from the fixture.
3. **Install New Bulb:** Screw the Boxlood Dusk to Dawn LED Light Bulb into any standard E26 light socket or fixture until it is snug. Do not overtighten.
4. **Restore Power:** Turn the power back on at the switch and circuit breaker.
5. **Leave Switch On:** For the dusk to dawn feature to function correctly, the light switch controlling the fixture must remain in the **ON** position at all times.
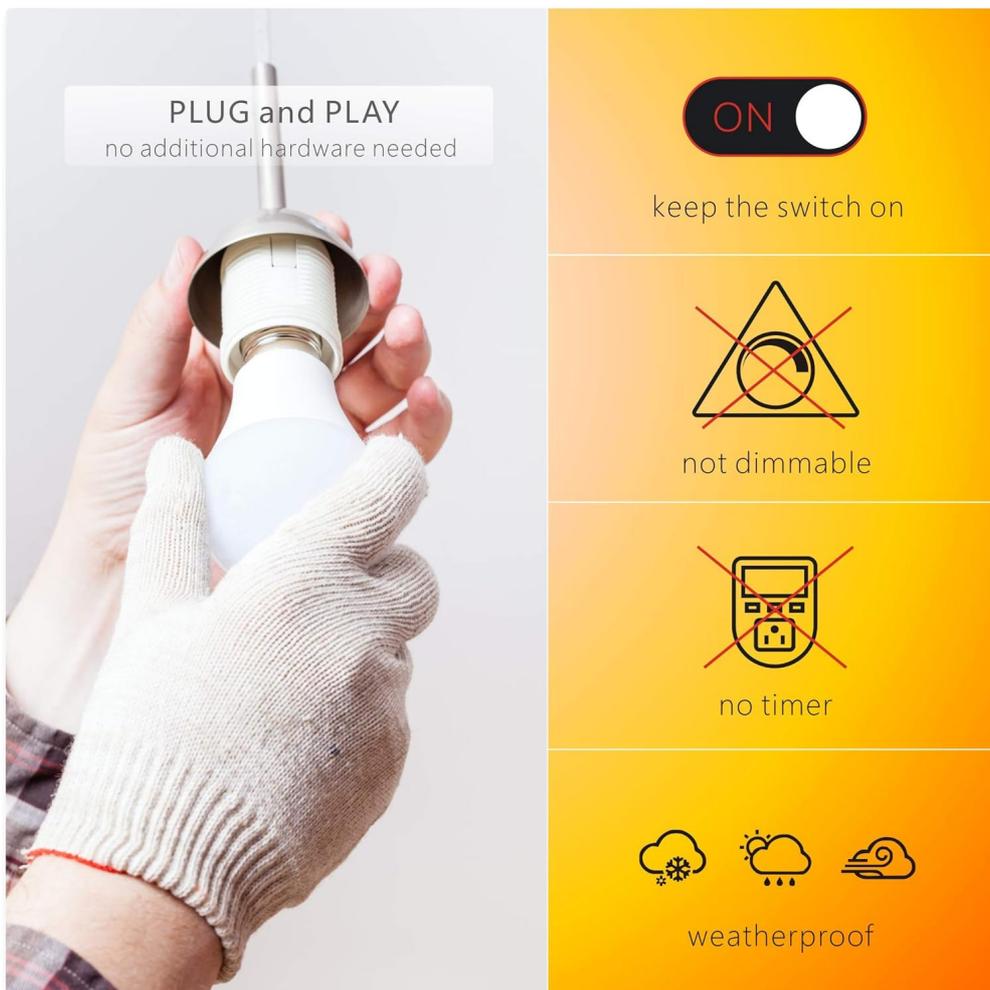

Image 4.1: Simple 'Plug and Play' installation and key features.

Fixture Compatibility

These bulbs are versatile and can be used in various fixtures. They are suitable for:

- Enclosed-clear fixtures
- Open fixtures
- Enclosed-frosted fixtures

Note: These bulbs are **not recommended** for recessed fixtures, as the sensor's effectiveness may be compromised.

Image 4.2: Examples of compatible and incompatible light fixtures.

5. OPERATING INSTRUCTIONS

The Boxlood Dusk to Dawn LED Light Bulb features an integrated photocell sensor for automatic operation.

Automatic On/Off Functionality

- **Automatic On:** The bulb will automatically turn on when the ambient brightness drops below approximately 15 Lux (at dusk or in low-light conditions).
- **Automatic Off:** The bulb will automatically turn off when the ambient brightness rises above approximately 30 Lux (at dawn or in sufficient daylight).

Ensure the photocell sensor on the bulb is not obstructed by the fixture or any other objects, as this may interfere with its ability to detect ambient light levels accurately.

Image 5.1: Dusk to Dawn automatic operation principle.

Typical Applications

These bulbs are ideal for various locations where automatic lighting is desired:

- Porches
- Front doors
- Garages
- Patios
- Landscape lighting
- Boundary lighting

Image 5.2: Examples of common application areas for the bulbs.

6. MAINTENANCE

The Boxlood Dusk to Dawn LED Light Bulbs require minimal maintenance.

- **Cleaning:** Ensure power is off before cleaning. Wipe the bulb with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Sensor Check:** Periodically check the photocell sensor area for any dirt, dust, or obstructions that might affect its performance. Clean gently if necessary.
- **Replacement:** While designed for a long lifespan, replace the bulb if it flickers, dims significantly, or stops working. Ensure power is off before replacement.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Bulb does not turn on at night.	- Power switch is off. - Photocell sensor is obstructed. - Insufficient darkness. - Bulb is faulty.	- Ensure the light switch is in the ON position. - Check and clear any obstructions from the sensor. - Wait for darker conditions or test in a dark room. - Replace the bulb.
Bulb does not turn off during the day.	- Photocell sensor is obstructed or in a shaded area. - Insufficient ambient light. - Bulb is faulty.	- Check and clear any obstructions from the sensor. - Relocate the fixture to an area with more direct daylight. - Replace the bulb.
Bulb flickers or dims.	- Used with a dimmer switch. - Unstable power supply. - Bulb is nearing end of life.	- Remove from dimmer circuit; these bulbs are non-dimmable. - Check electrical wiring or consult an electrician. - Replace the bulb.
Bulb turns on/off erratically.	- Interference from other light sources (e.g., car headlights, streetlights). - Sensor is partially obstructed.	- Adjust fixture position or shield the sensor from direct interfering light. - Clean the sensor area.

8. SPECIFICATIONS

Feature	Detail
Model Number	QP6007SB
Light Type	LED
Wattage	9 Watts (60W Equivalent)
Bulb Shape Size	A19
Bulb Base	E26 Standard Medium Base
Light Color	Cool White
Color Temperature	6000 Kelvin
Brightness	800 Lumens
Voltage	100-120 Volts AC, 60 Hz
Color Rendering Index (CRI)	80+

Feature	Detail
Indoor/Outdoor Usage	Indoor, Outdoor
Special Feature	Dusk to Dawn Photocell Sensor (No external timer required)
Dimmable	No
Material	Plastic
Average Life	2 Years
Product Dimensions	2.35" W x 4.01" H (60mm x 102mm)
Item Weight	6.4 ounces (per 4-pack)

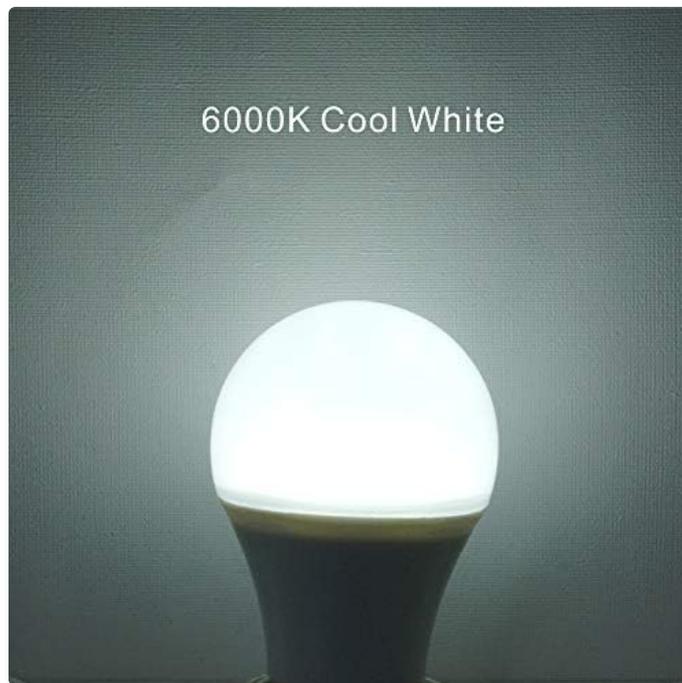Image 8.1: Bulb dimensions and light sensor location.

Image 8.2: Visual representation of 6000K Cool White light.

9. WARRANTY AND SUPPORT

Warranty Information

Boxlood products are manufactured with quality and reliability in mind. For specific warranty details regarding your LED light bulbs, please refer to the product packaging or contact Boxlood customer support directly. Typically, LED bulbs come with a limited warranty covering manufacturing defects under normal use.

Customer Support

If you encounter any issues, have questions about your product, or require technical assistance, please do not hesitate to contact Boxlood customer support. You can typically find contact information on the product packaging or through the retailer where the product was purchased. For Amazon purchases, you may contact the seller directly via your order history.
When contacting support, please have your product model number (QP6007SB) and purchase date available.