

## Kingavon BB-HL101

# Kingavon 500W Halogen Outdoor Spot Light with PIR Motion Sensor User Manual

Model: BB-HL101

## 1. INTRODUCTION AND SAFETY INFORMATION

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This manual provides essential instructions for the safe installation, operation, and maintenance of your Kingavon 500W Halogen Outdoor Spot Light with PIR Motion Sensor. Please read this manual thoroughly before installation and retain it for future reference.

### Important Safety Warnings:

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with local wiring regulations. Ensure the power supply is disconnected before any installation, maintenance, or bulb replacement.
- **High Temperature:** The halogen bulb and fixture become extremely hot during operation. Keep the light away from flammable objects.
- **Handling Bulbs:** Do not touch the halogen bulb with bare hands. Oils from your skin can cause hot spots and reduce bulb life. Use gloves or a clean cloth when handling.
- **Cool Down Period:** Allow the unit to cool down completely before attempting to replace the bulb or adjust the fixture's angle.
- **Outdoor Use:** This product is designed for outdoor use with an IP44 rating, indicating protection against solid objects larger than 1mm and splashing water from any direction.

## 2. PACKAGE CONTENTS

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Verify that all components are present before beginning installation:

- Kingavon 500W Halogen Outdoor Spot Light with PIR Motion Sensor
- Mounting hardware (screws, wall plugs)
- Instruction Manual

## 3. INSTALLATION AND SETUP

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This section outlines the steps for mounting and connecting your spot light.

### 3.1 Mounting the Fixture

1. Choose a suitable wall-mounting location that provides the desired illumination area and motion detection coverage.
2. Detach the rear mounting plate from the main unit by unscrewing the two screws.
3. Secure the rear mounting plate to the wall using the provided screws and wall plugs. Ensure it is firmly affixed.
4. Once wiring is complete (see 3.2), reattach the main light unit to the mounting plate and secure it with the screws.

### 3.2 Wiring Instructions

**WARNING: Ensure power is OFF at the main circuit breaker before proceeding with wiring.**

1. Connect the electrical cable from your power supply (240 Volts) to the terminal block inside the fixture.
2. Ensure correct polarity: Live (L), Neutral (N), and Earth (E) wires are connected to their corresponding terminals. Refer to local wiring diagrams if unsure.
3. Secure all connections tightly and ensure no bare wires are exposed.

### 3.3 Bulb Installation (if not pre-installed)

The fixture uses a 500W halogen bulb.

1. Remove the screw located at the top of the light fixture and swing the fixture cover open.
2. Using gloves or a clean cloth, insert one end of the bulb into the spring-loaded socket.
3. Gently compress the spring-loaded socket and insert the other end of the bulb into the fixed socket. Ensure the bulb is seated correctly.
4. Swing the cover back into its original position and secure it using the screw.

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400W  
Halogen Floodlight  
with PIR motion sensor



#### HOW TO REPLACE BULB

- 1 Remove screw located at the top of the light fixture and swing fixture cover down to expose the inside.
- 2 Insert one end of the bulb into one spring loaded socket and then gently insert the other end of the bulb into the other socket. Make sure the bulb is aligned properly.
- 3 Swing the cover up back into it's original position and secure using screw.

#### CAUTION

Keep light away from flammable objects during use as the bulb & fixture become extremely hot. Do not attempt to replace the bulb or adjust the angle of the fixture until the unit has been unplugged & has time to cool down. Do not touch the bulb or fixture with your hands. Use gloves or a cloth while handling this lamp.

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HL101

**Image 1:** Kingavon 500W Halogen Floodlight with PIR motion sensor, illustrating the bulb replacement procedure and highlighting features like 400W (note: product is 500W, this image may show a variant), 180° detection angle, and IP44 rating.

## 4. OPERATION

Your Kingavon spot light features a Passive Infrared (PIR) motion sensor to automatically activate the light when movement is detected.

### 4.1 Adjusting the PIR Sensor

The PIR sensor has three adjustable controls, typically located on the underside or side of the sensor unit:

- **LUX (Light Sensitivity):** This control determines the ambient light level at which the sensor will activate the light. Turn towards the 'sun' symbol for activation during daylight and darkness, or towards the 'moon' symbol for activation only in low light/darkness.
- **TIME (Duration):** This control sets how long the light remains on after motion is detected and no further motion is sensed. Adjust from a few seconds to several minutes.
- **RANGE (Detection Distance):** This control adjusts the sensitivity of the motion sensor, affecting the maximum distance at which it will detect movement.

Adjust these controls carefully to suit your specific needs and environment. Test the settings after each adjustment.



**Image 2:** A detailed view of the Kingavon 500W Halogen Outdoor Spot Light, highlighting the main light unit and the integrated PIR motion sensor at the base.

## 5. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your spot light.

### 5.1 Cleaning

- Ensure the power is disconnected before cleaning.
- Wipe the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Gently clean the PIR sensor lens to ensure unobstructed detection.

## 5.2 Bulb Replacement

Refer to section 3.3 for detailed bulb installation steps. Always ensure the fixture is cool and power is disconnected before replacing the bulb.

## 6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on.	No power supply, faulty bulb, incorrect sensor settings.	Check power connection and circuit breaker. Replace bulb if necessary (ensure power is off). Adjust LUX setting to activate in current light conditions.
Light stays on continuously.	Continuous motion detected, sensor fault, TIME setting too long.	Check for constant movement in the detection zone. Adjust TIME setting. If problem persists, consult a qualified electrician.
Light activates without apparent motion.	Sensor too sensitive, environmental factors (e.g., moving branches, animals).	Adjust RANGE setting to reduce sensitivity. Reposition the sensor to avoid false triggers.
Sensor works but lamp does not light.	Faulty bulb, loose wiring connection.	Replace the bulb (ensure power is off). Check wiring connections (consult a qualified electrician).

## 7. SPECIFICATIONS

Feature	Specification
Brand	Kingavon
Model Number	BB-HL101
Manufacturer	Hamble
Dimensions (L x W x H)	7.48 x 5.51 x 8.86 cm
Weight	940 grams
IP Rating	IP44 (Water Resistant)
Material	Aluminium
Power Output	500 Watts
Voltage	240 Volts

Feature	Specification
Bulb Type	Halogen
Special Features	Motion Detector (PIR)
Installation Type	Wall Mount
Recommended Usage	Driveway, Courtyard, Garden (Outdoor)

## 8. WARRANTY AND SUPPORT

Specific warranty information for this product is not provided in the available data. Please refer to your purchase documentation or contact the retailer for details regarding warranty coverage.

Information regarding the availability of spare parts is not provided.