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## Bell+Howell 080313078835

# Bell+ Howell Bionic Spotlight

INSTRUCTION MANUAL

## Product Overview

The Bell+ Howell Bionic Spotlight is a solar-powered outdoor motion sensor LED light designed to provide bright, reliable illumination for various outdoor areas. It features 8 high-powered LED bulbs, motion-sensing technology, and a durable, waterproof design, making it suitable for year-round use in gardens, patios, walkways, and other landscape areas.




Figure 1: The Bell+ Howell Bionic Spotlight, showing the main light unit, adjustable solar panel, and optional ground stake for installation.

## Key Features

- **Bright Illumination:** Equipped with 8 high-powered LED bulbs to illuminate garages, patios, and pathways.
- **Solar-Powered:** Absorbs and stores energy from the sun during the day, providing cost-effective lighting at night without increasing electricity bills.
- **Motion-Activated:** Features motion-sensing technology that automatically turns the light on when motion is detected within a 25-foot range and turns off 30 seconds after motion ceases.
- **Easy Installation:** Wireless design with no batteries required (beyond the internal rechargeable solar battery). Mounts easily with included screws or ground stake.
- **Durable and Weatherproof:** Constructed from high-quality, heat-resistant materials to withstand extreme weather

conditions, including heat, snow, and heavy rains.

- **Discreet Design:** Its white color and shape can resemble a security camera, potentially deterring intruders.




Figure 2: Overview of the Bionic Spotlight's design features, highlighting its appearance, adjustability, and durability.




Figure 3: The Bionic Spotlight demonstrating its weather resistance, suitable for year-round outdoor use.

## Package Contents

Upon opening the package, ensure all the following components are present:

- 1 x Bell+ Howell Bionic Spotlight (solar-powered light fixture with 8 LED bulbs and motion sensor)
- Mounting Screws
- Ground Stake (for optional ground installation)

## Setup and Installation

The Bionic Spotlight is designed for easy, wireless installation. No special tools or complex wiring are required.

1. **Initial Charge:** Before first use, place the Bionic Spotlight in direct sunlight for at least 24-48 hours to allow the solar panel to fully charge the internal battery. Ensure the solar panel is clean and unobstructed.

2. **Choose Location:** Select an outdoor location that receives ample direct sunlight throughout the day for optimal charging. Consider areas like patios, gardens, walkways, or near entryways where motion detection is desired.
3. **Mounting Options:**
    - **Wall Mount:** Use the included screws to securely mount the spotlight to a wall or fence. Ensure the solar panel can still receive direct sunlight.
    - **Ground Stake:** Attach the ground stake to the bottom of the spotlight and firmly insert it into soft ground. Adjust the angle of the light and solar panel as needed.
4. **Adjust Angle:** Once mounted, adjust the angle of the light fixture and the solar panel to maximize sunlight exposure and optimize the light's coverage area.




Figure 4: Simple assembly and installation using the included ground stake.

## Operating Instructions

The Bell+ Howell Bionic Spotlight operates automatically once installed and charged.

- **Automatic Operation:** The spotlight is designed to turn on automatically at dusk and off at dawn, or when motion is detected.
- **Motion Sensor:** The integrated motion sensor detects movement up to 25 feet away. When motion is detected, the 8 LED bulbs will illuminate brightly.
- **Auto Shut-off:** The light will remain on as long as motion is detected within its range. Approximately 30 seconds after motion is no longer detected, the light will automatically turn off to conserve energy.
- **Solar Charging:** During daylight hours, the solar panel continuously recharges the internal battery. Ensure the solar panel is exposed to direct sunlight for optimal performance.




Figure 5: The Bionic Spotlight's motion activation, sensing movement up to 25 feet and illuminating a wide area.




Figure 6: Examples of how the Bionic Spotlight can brighten up dark areas such as yards, stairs, walkways, and gardens.

## Maintenance

To ensure the longevity and optimal performance of your Bionic Spotlight, follow these simple maintenance guidelines:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or other debris. A clean solar panel ensures efficient charging.
- **Clear Obstructions:** Ensure no trees, bushes, or other objects are blocking direct sunlight from reaching the solar panel throughout the day.
- **Inspect for Damage:** Periodically check the unit for any physical damage, especially after severe weather conditions.
- **Battery Life:** The internal rechargeable battery is designed for long-term use. If the light's performance significantly diminishes over time, ensure adequate sunlight exposure and consider replacing the unit if necessary after its expected lifespan.

## Troubleshooting

If your Bionic Spotlight is not functioning as expected, refer to the following common issues and solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| Light does not turn on at night. | Insufficient solar charge. | Ensure the solar panel is in direct sunlight for at least 24-48 hours for initial charge, and receives 6-8 hours of direct sunlight daily. Clean the solar panel. |
| Motion sensor range is less than 25 feet. | Obstructions or incorrect placement. | Ensure the sensor is not obstructed. Reposition the light to an area with a clear line of sight for motion detection. Note that environmental factors can affect sensor performance. |
| Light flickers or is dim. | Low battery charge or dirty solar panel. | Allow the unit to charge in direct sunlight for a full day. Clean the solar panel surface. |
| Light stays on constantly or turns on randomly. | Sensor interference or faulty sensor. | Check for moving objects (e.g., tree branches, pets) within the sensor's range. If the issue persists, contact customer support. |

## Product Specifications

| Attribute | Detail |
|---|---|
| Brand | Bell+Howell |
| Model Number | 080313078835 |
| Color | White |
| Material | Plastic |
| Light Source Type | LED |
| Number of Light Sources | 8 |
| Brightness | 230 Lumen |
| Wattage | 4 watts |
| Power Source | Solar Powered |
| Special Feature | Motion Sensor, Waterproof |
| Motion Sensor Range | Up to 25 feet |
| Product Dimensions | 6.69"L x 4.32"W x 3.54"H |
| Item Weight | 2.39 Ounces |
| Indoor/Outdoor Usage | Outdoor |
| Water Resistance Level | Water Resistant |

## Warranty and Customer Support

For warranty information, product registration, or technical assistance, please refer to the documentation included with your purchase or visit the official Bell+Howell website. You can also contact their customer support directly for further assistance.
Visit the Bell+Howell Store on Amazon for more products and information.

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