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› Bell+Howell Bionic Floodlight Deluxe Solar Light Instruction Manual

Bell+Howell Test 5087

Bell+Howell Bionic Floodlight Deluxe Solar Light Instruction Manual

Model: Test 5087

1. INTRODUCTION

Thank you for choosing the Bell+Howell Bionic Floodlight Deluxe Solar Light. This product is designed to provide bright, motion-activated illumination for your outdoor spaces using solar power. Please read this manual thoroughly before installation and operation to ensure proper use and longevity of your device.



Image 1.1: The Bell+Howell Bionic Floodlight Deluxe Solar Light, showing the main unit, solar panel, adjustable light heads, remote control, and ground stake.


2. SAFETY INFORMATION

- Ensure the solar panel receives direct sunlight for optimal charging.
- Do not attempt to disassemble or modify the product. This may void the warranty and cause damage.
- Keep the device away from open flames or extreme heat sources.
- Do not immerse the product in water. While it is waterproof, prolonged submersion is not recommended.
- Handle the light heads and solar panel with care to avoid damage.

3. PRODUCT FEATURES

- **Solar Powered:** Absorbs sunlight during the day for automatic night operation.
- **Motion Sensor:** Activates all three light panels when movement is detected within range, turning off automatically after motion ceases.

- **Bright Illumination:** Features 108 COB LEDs for super bright light coverage up to 1,000 square feet.
- **Wireless & Easy Installation:** No wiring or external batteries required. Includes hardware for ground staking or wall mounting.
- **Remote Control:** Includes a remote with STROBE, Sensor Mode, and Off functions.
- **All-Season & Weather Resistant:** Designed to withstand rain, snow, and frost for year-round outdoor use.
- **Adjustable Light Heads:** Three swiveling LED panels allow for directional light output.



**SOLAR
POWERED**

**absorbs sunlight all day by
using the on-board solar panel.**

MOTION SENSING TECHNOLOGY
Automatically turns Off once
movement goes out sensor range.

Image 3.1: The integrated solar panel on top of the floodlight, designed to absorb sunlight throughout the day for charging.



Image 3.2: Close-up view of the swiveling light panels, demonstrating their adjustability to direct light as needed.

4. INSTALLATION

The Bionic Floodlight offers versatile installation options: ground staking or wall mounting.

4.1 Choosing a Location

Select a location where the solar panel can receive at least 6-8 hours of direct sunlight daily. Avoid areas under eaves, trees, or other obstructions that might block sunlight or the motion sensor's field of view.



Image 4.1: The Bionic Floodlight operating in rainy conditions, highlighting its year-round durability and weather resistance.

4.2 Ground Staking Installation

1. Attach the ground stake to the bottom of the floodlight unit.
2. Firmly push the stake into soft ground in your desired location. Ensure the unit is stable and upright.
3. Adjust the solar panel to face the sun and the light heads to illuminate the target area.

4.3 Wall Mounting Installation

1. Mark the desired mounting points on the wall using the provided mounting bracket as a template.
2. Drill pilot holes if necessary, then secure the mounting bracket to the wall using screws.
3. Attach the floodlight unit to the secured mounting bracket.
4. Adjust the solar panel and light heads for optimal performance.



Image 4.2: Visual guide demonstrating both the in-ground stake and vertical wall mounting options for the floodlight.

5. OPERATION

The Bionic Floodlight is designed for simple operation using the included remote control.

5.1 Initial Charge

Before first use, allow the floodlight to charge in direct sunlight for at least 24 hours to ensure the internal battery is fully charged.

5.2 Remote Control Functions

The remote control features three primary buttons:

- **OFF Button:** Turns the light off and overrides any automatic functions.
- **STROBE:** Activates a strobe light effect.
- **Sensor Mode:** Enables the automatic motion-sensing function. The light will turn on when motion is detected and turn off a few seconds after motion stops or is out of range.



Image 5.1: The remote control for the Bionic Floodlight, showing the OFF, STROBE, and Sensor Mode buttons.



Image 5.2: A hand holding the remote control, illustrating its compact size and ease of use.

6. MAINTENANCE

- **Cleaning the Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or

debris. A clean panel ensures efficient charging.

- **Checking for Obstructions:** Periodically check that no new obstructions (e.g., overgrown branches) are blocking sunlight from reaching the solar panel or interfering with the motion sensor.
- **Battery Longevity:** The internal battery is designed for long-term use. If the light's performance significantly degrades over time, ensure the solar panel is clean and receiving adequate sunlight.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge.	Ensure solar panel is clean and receives 6-8 hours of direct sunlight daily.
Light is dim or only stays on for a short time.	Partial solar charge or aging battery.	Relocate to a sunnier spot. Allow several days for full charge.
Motion sensor not detecting movement.	Sensor obstructed or out of range.	Clear any obstructions. Ensure unit is in Sensor Mode. Motion sensor range is approximately 30 feet.
Remote control not working.	Battery depleted or plastic tab still in place.	Remove any battery protection tab. Replace remote battery if necessary.

8. SPECIFICATIONS

Feature	Detail
Brand	Bell+Howell
Model Number	Test 5087
Color	Black
Material	Acrylonitrile Butadiene Styrene (ABS)
Light Source Type	LED (108 COB LEDs)
Color Temperature	6,500 Kelvin (mimics natural sunlight)
Power Source	Solar Powered
Voltage	3.7 Volts
Motion Sensor Distance	Up to 30 feet
Coverage Area	Up to 1,000 square feet
Water Resistance Level	Waterproof
Product Dimensions (L x W x H)	6.5" x 5.25" x 11"
Item Weight	1.35 Pounds

Feature	Detail
Solar Panel Dimensions	5.75" x 3.5"
LED Panel Dimensions	4" x 2.5"



Image 8.1: Technical drawing showing the dimensions of the Bionic Floodlight in millimeters.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official Bell+Howell website. Keep your proof of purchase for any warranty claims.