

Mr Beams MBN580

Mr Beams MBN580 NetBright LED Path and Deck Lights Instruction Manual

Model: MBN580

PRODUCT OVERVIEW

The Mr Beams MBN580 NetBright LED Path and Deck Lights provide wireless, motion-activated lighting for outdoor areas. Featuring NetBright technology, these lights communicate with each other, ensuring that when one light detects motion, all connected lights activate simultaneously. Designed for easy installation without the need for wiring, they offer enhanced safety and security for paths, walkways, decks, and stairs.

These battery-powered lights include an auto shut-off feature to conserve battery life and can be installed in the ground or mounted on surfaces like decks and posts.

PACKAGE CONTENTS

- 2 Mr Beams MBN580 NetBright Path Lights (White)
- 2 Ground Stakes
- 4 Screws and Anchors
- Instruction Manual (this document)

FEATURES

- **Automatic Outdoor LED Path Lights:** Provides 35 lumens of light.
- **NetBright Technology:** Allows lights to communicate, activating all networked lights when one detects motion.
- **Motion Sensing:** Activates when motion is detected within 15 feet.
- **Auto Shut-Off:** Lights automatically turn off after 20 seconds of no motion.
- **Wireless Installation:** Installs in minutes without wires.
- **Versatile Mounting:** Can be installed in the ground or on decks/posts.
- **Long Battery Life:** Designed for approximately one year of light on each set of batteries under typical use.
- **Zone Creation:** Create up to 4 separate lighting zones with up to 50 NetBright lights per zone.
- **GlowMode Setting:** Provides continuous low-level light for marker purposes (configurable internally).

SETUP AND INSTALLATION

The Mr Beams MBN580 NetBright Path Lights are designed for quick and easy installation. No electrical wiring is required.

1. Battery Installation and Network Configuration

Each light requires C batteries (not included). To install batteries and configure the NetBright network settings:

1. Carefully open the light unit to access the battery compartment.
2. Insert the required C batteries, ensuring correct polarity.
3. Locate the internal switches for NetBright network configuration. These are typically small white switches. Move both switches from the "on" position to positions "1" and "2" to enable networking with other NetBright lights.
4. Identify the "Glow" switch. If you desire a continuous low-level marker light when it's dark, move this switch to the "Glow" position.
5. Close the light unit securely.



Image: Internal view of the Mr Beams MBN580 light, showing the battery compartment and configuration switches.

2. Mounting Options

Choose your preferred installation method:

Ground Installation (Path Light)

1. Attach the ground stake to the base of the light unit.
2. Select a location along a path or in a garden bed where lighting is desired.
3. Firmly push the ground stake into the soil until the light is stable and at the desired height.



Image: A single Mr Beams MBN580 path light with its ground stake, ready for garden installation.



Image: Two Mr Beams MBN580 path lights installed in a garden, demonstrating ground placement.

Surface Installation (Deck/Post Light)

1. Choose a flat surface such as a deck post, stair riser, or wall.
2. Use the provided screws and anchors to securely mount the light unit. Ensure the motion sensor is facing the area where motion detection is desired.



Image: A Mr Beams MBN580 light mounted on a white deck post, illustrating surface installation.



Image: A Mr Beams MBN580 light mounted on a deck stair riser, providing illumination for steps.



Image: Top view of the Mr Beams MBN580 light, highlighting the motion sensor.

OPERATING INSTRUCTIONS

The Mr Beams MBN580 lights operate automatically based on motion and light levels.

- **Motion Activation:** The lights will automatically turn on when motion is detected within a 15-foot range in dark conditions.
- **NetBright Synchronization:** Due to NetBright technology, when one light in your network detects motion, all other lights configured to the same network zone will also activate.
- **Auto Shut-Off:** After approximately 20 seconds of no motion detection, the lights will automatically turn off to conserve battery power.
- **GlowMode (Optional):** If the internal "Glow" switch is enabled, the light will emit a continuous, low-level illumination in dark conditions, serving as a marker light. Upon motion detection, it will switch to full brightness.

For optimal performance, ensure the motion sensor is not obstructed and is positioned to cover the desired detection area.

Understanding NetBright Zones

You can create up to four separate lighting zones. This allows you to have different groups of lights activate independently. To configure zones, refer to the internal switches mentioned in the "Battery Installation" section. Each zone is set by a unique combination of switch positions (e.g., 1, 2, 3, 4). Ensure all lights intended for the same zone have identical switch settings.

MAINTENANCE

Battery Replacement

The lights require C batteries. Battery life is approximately one year under normal usage. When the light output diminishes or the

light stops activating, it's time to replace the batteries.

1. Carefully open the light unit as done during initial setup.
2. Remove the old C batteries.
3. Insert new C batteries, observing correct polarity.
4. Securely close the light unit.

Note: Using high-quality alkaline batteries is recommended for optimal performance and battery life. Rechargeable batteries may also be used, but their performance and lifespan can vary.

Cleaning

Wipe the light's exterior with a soft, damp cloth as needed to remove dirt and debris. Do not use abrasive cleaners or solvents.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	Batteries are dead or incorrectly installed. Insufficient darkness (light sensor detects ambient light). No motion detected. Internal switches are not set correctly.	Replace batteries, ensuring correct polarity. Test in a completely dark environment. Ensure motion sensor is clear and facing the desired area. Verify internal network switches are set to "1" and "2".
Lights activate randomly or too frequently.	Motion sensor is detecting unintended movement (e.g., pets, moving branches). Interference from other electronic devices.	Adjust the light's position or angle to minimize false triggers. Ensure no other devices are interfering with the NetBright signal.
Lights in a network do not all turn on.	Lights are not configured to the same NetBright zone. One or more lights have dead batteries. Lights are too far apart for reliable communication.	Verify internal network switches are identical for all lights in the desired zone. Check and replace batteries in all lights. Reduce the distance between lights or add more lights to bridge gaps.
Poor battery life.	Frequent activation due to high traffic or false triggers. "GlowMode" is enabled, consuming more power. Low-quality batteries.	Adjust placement to reduce unnecessary activations. Disable "GlowMode" if continuous low light is not essential. Use high-quality alkaline batteries.

Problem	Possible Cause	Solution
Light stopped working after rain.	Water ingress.	Ensure the unit is properly sealed after battery changes. While designed for outdoor use, extreme weather can sometimes affect performance. If water is found inside, allow it to dry completely before re-testing. If issues persist, contact customer support.

SPECIFICATIONS

- **Model:** MBN580
- **Brand:** Mr Beams
- **Color:** White
- **Material:** Plastic
- **Light Source Type:** LED
- **Brightness:** 35 Lumens
- **Power Source:** Battery Powered (C batteries required, not included)
- **Special Feature:** Motion Sensor, NetBright Technology
- **Indoor/Outdoor Usage:** Outdoor
- **Item Weight:** Approximately 5.6 ounces (0.35 lbs) per unit
- **Product Dimensions:** 3.54 x 1.77 x 13.39 inches (with stake)
- **Motion Sensor Range:** Up to 15 feet
- **Auto Shut-Off:** 20 seconds after no motion
- **Network Zones:** Up to 4 zones
- **Lights per Zone:** Up to 50 lights

OFFICIAL PRODUCT VIDEO

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Video: An official product video demonstrating the features and installation of Mr. Beams NetBright Path Lights. It shows the lights activating with motion along a path and on a deck, highlighting the wireless and networked capabilities.

WARRANTY AND SUPPORT

This product comes with a **1-year warranty** from the date of purchase.

For technical support, warranty claims, or further assistance, please refer to the contact information provided on the product packaging or the manufacturer's official website. Please have your model number (MBN580) and proof of purchase ready when contacting support.