

IBLLIGHT DM01

IBLLIGHT LED Mini In-Ground Starlight (Model DM01) User Manual

Model: DM01 | Brand: IBLLIGHT

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the IBLLIGHT LED Mini In-Ground Starlight, Model DM01. This product is a 1W 12V DC low voltage, IP67 waterproof recessed well light designed for outdoor and indoor landscape lighting applications. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PRODUCT FEATURES

- **Compact Design:** Tiny size with a diameter of only 0.79 inches (20mm), ideal for creating a starlight effect.
- **Durable Construction:** Compact structure with reliable performance and an IP67 rating for weather resistance.
- **Low Voltage Safety:** Operates on 12V DC safety low voltage (requires a constant voltage power supply).
- **Energy Efficient:** Low power consumption (1 Watt) and long lifespan.
- **High Color Quality:** Good color restoration with a CRI >80.
- **Wide Beam Angle:** 120° degree wide beam angle for broad illumination.
- **Versatile Application:** Suitable for various outdoor and indoor indicator or atmosphere decoration uses.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged:

- 1 x IBLLIGHT LED Mini In-Ground Starlight (Model DM01)
- 1 x Bulb (integrated)

4. SPECIFICATIONS

Parameter	Value
Model	DM01

LED Light Color	Warm White (3000K)
Input Voltage	12V DC (Constant voltage power supply required)
LED Type	1 Watt
Luminous Flux	87 Lumens
Color Rendering Index (CRI)	RA >80
Protection Grade	IP67 Dustproof and Waterproof
Beam Angle	120° Degree
Dimensions	Φ0.79 inch (20 mm) x H1.5 inch (38 mm)
Material	Aluminum 6063
Weight	0.1 LB (0.05 KG)



Image 1: Product dimensions. The light measures 0.79 inches (20mm) in diameter and 1.5 inches (38mm) in height. The cable length is also indicated.

5. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in fire, electric shock, injury, or damage to the product or property.

- **Voltage Compatibility:** Ensure the input voltage is strictly 12V DC. Connecting to AC power or incorrect DC voltage (e.g., 24V DC if not specified for that model) will damage the light. A constant voltage power supply is required.
- **Professional Installation:** If you are unsure about electrical wiring, consult a qualified electrician.
- **Power Disconnection:** Always disconnect power before installing, servicing, or cleaning the light fixture.
- **Waterproof Rating:** The light is IP67 rated, meaning it is protected from dust and can withstand immersion in water up to 1 meter for 30 minutes. Ensure all connections are properly sealed to maintain this rating.

- **Heat:** The LED light may become warm during operation. Do not touch the light directly when it is on or immediately after it has been turned off.
- **Cable Integrity:** Do not cut, damage, or modify the power cable. Any damage to the cable can compromise the waterproof rating and electrical safety.
- **Children and Pets:** Keep the product and its components out of reach of children and pets.

6. SETUP AND INSTALLATION

The IBLLIGHT LED Mini In-Ground Starlight is designed for recessed installation in various surfaces. Follow these steps for proper setup:

1. **Plan Placement:** Determine the desired location for each light. Consider the beam angle (120°) and the desired lighting effect.
2. **Prepare the Hole:** Drill a circular hole in the installation surface with a diameter of approximately 0.79 inches (20mm) and a depth of at least 1.5 inches (38mm). Ensure the hole is clean and free of debris.
3. **Wiring:**
 - Connect the light's 12V DC input wires to a compatible 12V DC constant voltage power supply.
 - Ensure correct polarity: typically, red wire is positive (+) and black wire is negative (-). Refer to your power supply's instructions for specific wiring.
 - All electrical connections should be secure and waterproof, especially for outdoor installations. Use appropriate waterproof connectors or junction boxes if necessary.
4. **Insert the Light:** Gently push the LED Mini In-Ground Starlight into the prepared hole. The spring clips on the sides of the light will secure it in place.
5. **Test:** Once all lights are installed and wired, connect the power supply to the main power source to test the lights.



Image 2: The IBLLIGHT LED Mini In-Ground Starlight, showing its compact design and wiring.

7. OPERATING INSTRUCTIONS

Operating the IBLLIGHT LED Mini In-Ground Starlight is straightforward:

1. **Power On:** Once properly installed and connected to a 12V DC constant voltage power supply, simply turn on the power supply to illuminate the lights.
2. **Power Off:** Turn off the power supply to switch off the lights.



Image 3: Illustration of the warm white light output from the IBLLIGHT LED Mini In-Ground Starlight.

8. MAINTENANCE

To ensure the longevity and optimal performance of your IBLLIGHT LED Mini In-Ground Starlight, follow these maintenance guidelines:

- **Cleaning:** Periodically clean the surface of the light with a soft, damp cloth to remove dirt, dust, or debris. Do not use abrasive cleaners or solvents.
- **Inspect Wiring:** Regularly inspect the wiring and connections for any signs of wear, damage, or corrosion, especially in outdoor environments. Ensure all waterproof seals remain intact.
- **Power Supply Check:** Verify that the 12V DC constant voltage power supply is functioning correctly and providing stable voltage.
- **Avoid Obstructions:** Ensure that the light is not covered by leaves, dirt, or other obstructions that could impede light output or heat dissipation.

9. TROUBLESHOOTING

If you encounter issues with your IBLLIGHT LED Mini In-Ground Starlight, refer to the following troubleshooting steps:

- **Light Does Not Turn On:**
 - Check if the power supply is connected and receiving power.
 - Verify that the 12V DC constant voltage power supply is working correctly.
 - Inspect all wiring connections for looseness or incorrect polarity (+/-).
 - Ensure the input voltage is 12V DC and not AC or a different DC voltage.
- **Light Flickers or Is Dim:**
 - Check for loose connections in the wiring.
 - Ensure the power supply is adequate for the total wattage of all connected lights.
 - Verify that the input voltage is stable 12V DC.
- **Water Inside the Light:**
 - While the light is IP67 rated, water ingress can occur if connections are not properly sealed or if the cable is damaged.
 - Immediately disconnect power. Inspect all wiring and connections for proper sealing. Replace any damaged components.

10. WARRANTY AND SUPPORT

The IBLLIGHT LED Mini In-Ground Starlight (Model DM01) comes with a **2-Year Warranty** from the date of purchase.

This warranty covers defects in materials and workmanship under normal use.

The warranty does not cover:

- Damage caused by improper installation or wiring (e.g., incorrect voltage, AC power connection).
- Damage caused by accident, abuse, misuse, flood, fire, earthquake, or other external causes.
- Damage caused by operating the product outside the permitted or intended uses described in this manual.
- Damage caused by service performed by anyone who is not a representative of IBLLIGHT.

For warranty claims or technical support, please contact IBLLIGHT customer service through your purchase platform or the official IBLLIGHT website.

11. APPLICATION EXAMPLES

The versatility of the IBLLIGHT LED Mini In-Ground Starlight allows for various creative lighting applications:

- **Outdoor Landscape:** Ideal for illuminating pathways, decks, patios, gardens, and driveways.
- **Architectural Accent:** Can be used to highlight architectural features or create ambient lighting in outdoor spaces.
- **Indoor Decorative:** Suitable for creating unique lighting effects in bathrooms, home offices, living rooms, or as marker lights.

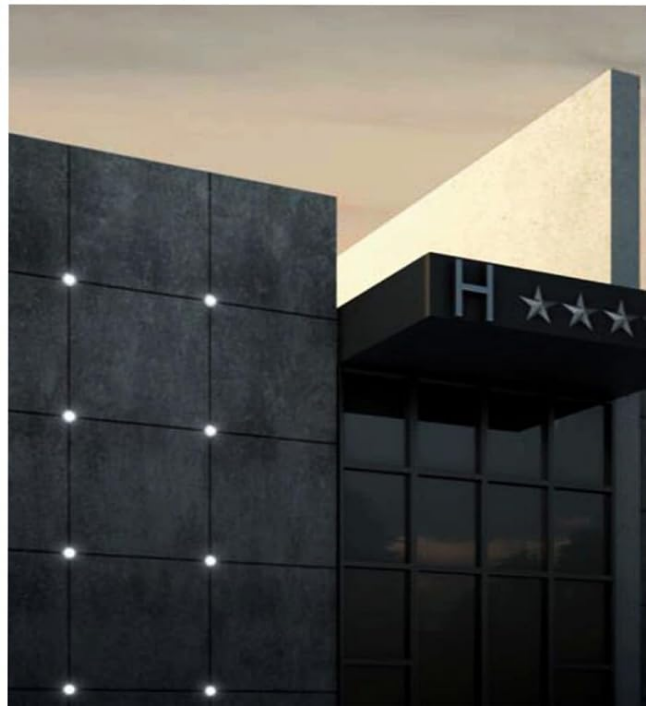
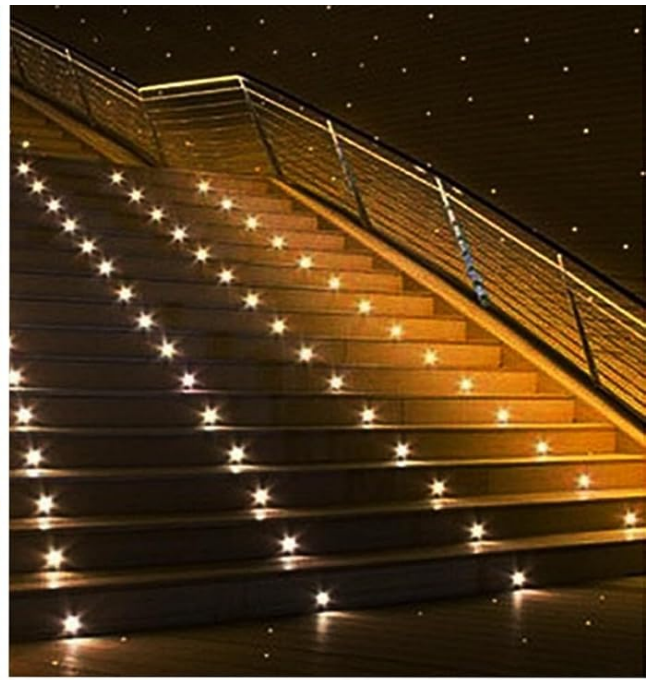


Image 4: Examples of the LED Mini In-Ground Starlights used in various outdoor settings, including gardens, decks, and stairs.

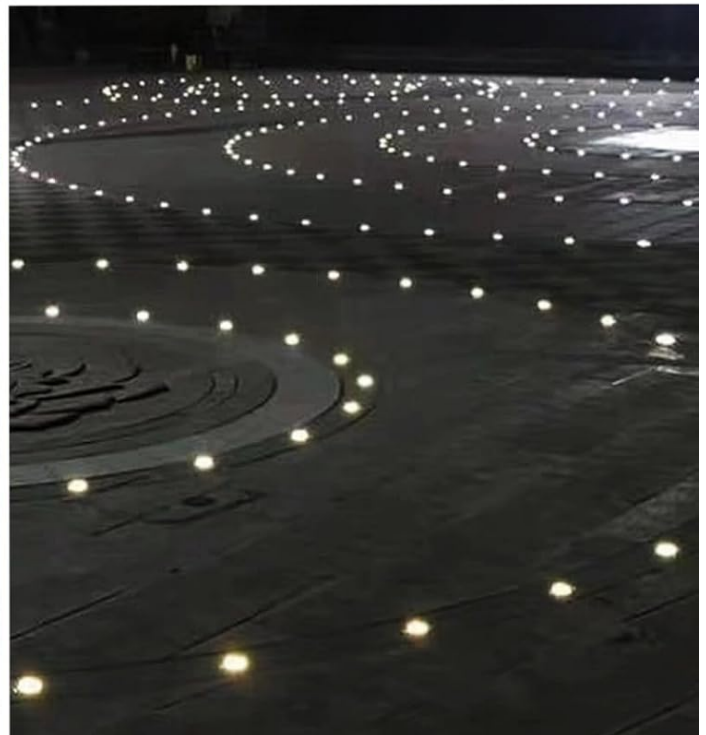


Image 5: Further examples showcasing the lights in different environments, such as around water features, building facades, and indoor shelving.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question