

[Manuals.plus](#) /

> [HIBOITEC](#) /

> HIBOITEC Low Voltage Recessed Deck Lights Kit (Model HZT-1003J) - Instruction Manual

HIBOITEC HZT-1003J

HIBOITEC Low Voltage Recessed Deck Lights Kit (Model HZT-1003J) - Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your HIBOITEC Low Voltage Recessed Deck Lights Kit. This kit is designed to provide safe and efficient outdoor lighting for various applications such as deck stairs, steps, patios, and yards. Please read this manual thoroughly before installation and retain it for future reference.

SAFETY INFORMATION

- Always turn off power at the fuse box or circuit breaker before installation or servicing.
- Ensure the transformer is mounted at least 39 to 59 inches (1m-1.5m) high from the ground to prevent water damage.
- Do not exceed the maximum power of the transformer (15W).
- This product is designed for outdoor use only.
- Do not use with dimmers other than the integrated dimming function of the transformer.
- All connections must be secure and waterproof to maintain IP67 rating.
- Keep children and pets away from the installation area.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 0.8W Deck Light x 10
- 15W Low Voltage Transformer x 1
- 58.4FT Cable x 1
- Instruction Manual x 1



Image: Overview of the HIBOITEC All-In-One Deck Lights Kit, showing the 10 deck lights, transformer, and cable.

SPECIFICATIONS

Feature	Detail
Brand	HIBOITEC
Model Number	HZT-1003J
Light Source	LED
Number of Lights	10
Wattage per Light	0.8W
Transformer Output Voltage	DC 12V
Brightness	60 Lumens
Color Temperature (CCT)	2700K (Warm White) - 5000K (Cool White)
Water Resistance Level	IP67 Waterproof
Operating Temperature	-4°F to 130°F (-20°C to 54°C)
Material	Acrylonitrile Butadiene Styrene, Aluminum
Certifications	ETL, FCC, UL
Item Dimensions (L x W x H)	1.25"L x 1.25"W x 1.25"H

SETUP AND INSTALLATION

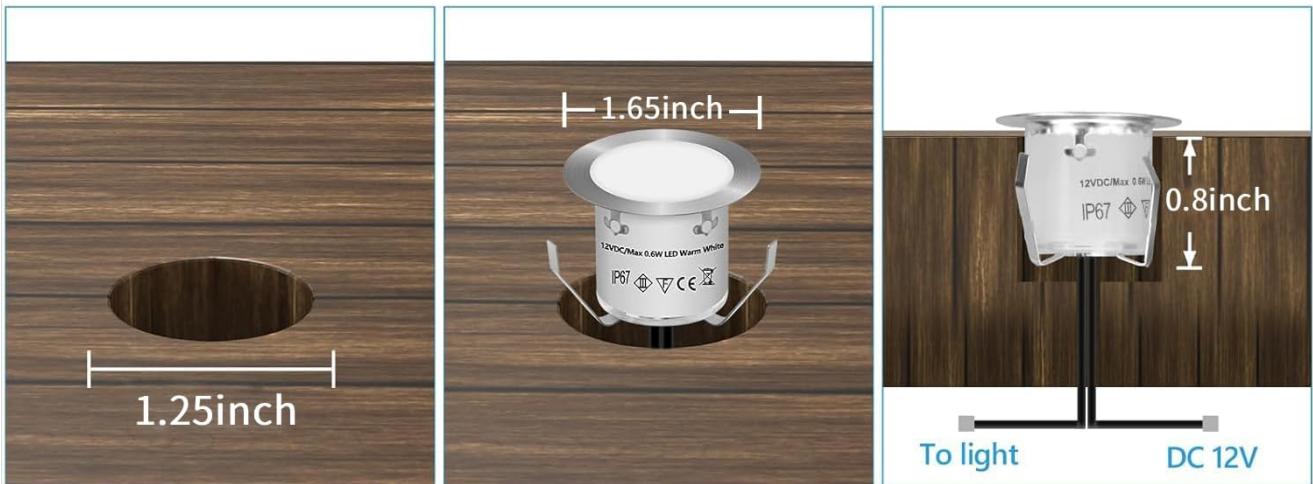
The HIBOITEC low voltage step lights are designed for easy installation. Follow these steps:

- Plan Layout:** Determine the desired locations for each deck light. Ensure adequate spacing and consider the total cable length (58.4FT).
- Drill Holes:** Using a drill bit of 1.25 inches (3.175 cm) diameter, drill holes at the marked locations. Ensure the

depth is sufficient for the light fixture (approximately 0.8 inches or 2 cm).

3. **Insert Lights:** Gently push each LED deck light into its drilled hole until it sits flush with the surface.
4. **Connect Cables:** Connect the male and female connectors of the lights in parallel. Ensure the arrows on the connectors align for proper connection.
5. **Connect to Transformer:** Link the connected outdoor lights to the 15W low voltage transformer.
6. **Mount Transformer:** Mount the transformer securely, ideally 39 to 59 inches (1m-1.5m) high from the ground, and plug it into a suitable outdoor power outlet.

Easy to Install and Remove



Drill hole 1.25inch

Push the light in

Connect the cable



Note arrows



Connect lamps in parallel

Image: Step-by-step visual guide for drilling holes, inserting lights, and connecting cables.



Image: Illustration of the transformer connection to the lights and power outlet, highlighting the recommended mounting height for the transformer.

OPERATING INSTRUCTIONS

The 15W low voltage transformer features multiple functions for customized lighting control:

15W Low Voltage

Transformer with 6 Functions



Image: Close-up of the transformer's control panel, showing various settings and indicators.

- **Mode Button:** Cycles through different operational modes.
- **Time Button:** Sets the duration for timer functions.
- **Color Switch Button:** Adjusts the color temperature between 2700K (Warm White) and 5000K (Cool White).
- **Brightness Button:** Adjusts the light intensity with 5 levels of dimmable brightness.

Transformer Functions:

1. **Photo Auto On/Off:** The lights automatically turn on at dusk and off at dawn using the integrated photocell

sensor.

2. **Photo Auto On Timer Off:** Lights turn on at dusk and automatically turn off after a set duration (e.g., 2H, 4H, 6H, 8H, 10H, 12H).
3. **Timer On/Off:** Manually set a specific time for the lights to turn on and off.
4. **Manual On/Off:** Allows for manual control to turn the lights on or off as needed.
5. **Memory Function:** The transformer retains the last selected settings even after a power interruption.



Image: Visual representation of the lights automatically turning on at dusk and off at dawn.

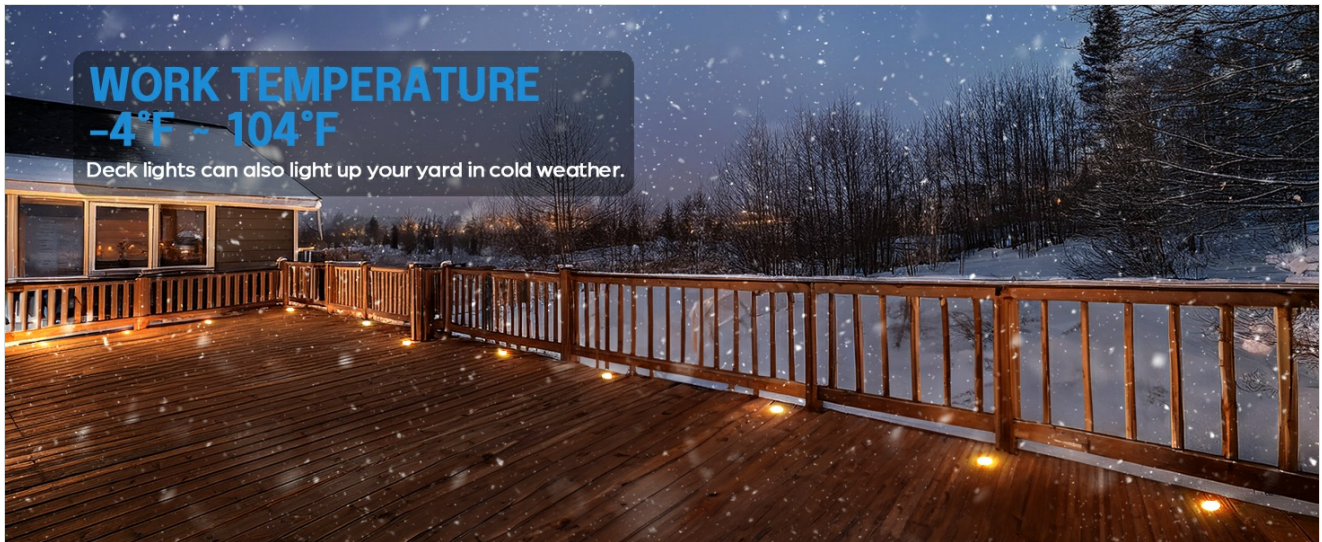


Image: Deck lights providing illumination on a wooden deck at night.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your deck lights:

- **Cleaning:** Periodically clean the light surfaces and the photocell sensor with a soft, damp cloth to remove dirt, dust, or debris. Avoid abrasive cleaners.
- **Inspect Connections:** Annually inspect all cable connections for any signs of wear, damage, or loose fittings. Ensure they remain securely connected and waterproof.
- **Clear Obstructions:** Ensure the photocell sensor is not obstructed by leaves, dirt, or other objects that could interfere with its automatic operation.
- **Environmental Protection:** While the lights are IP67 waterproof and frost-resistant, extreme weather conditions may require additional protection or temporary removal if possible.



Image: Deck lights functioning during rainfall, illustrating their IP67 waterproof design.

TROUBLESHOOTING

If you encounter issues with your HIBOITEC deck lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
---------	----------------	----------

Lights do not turn on.	No power to transformer, loose connections, faulty light/transformer.	Check power outlet. Ensure all connections are secure. Verify transformer settings. Test individual lights if possible.
Lights flicker or are dim.	Insufficient power, loose connection, incorrect brightness setting.	Check power supply. Tighten connections. Adjust brightness setting on transformer.
Automatic functions (dusk/dawn, timer) not working.	Photocell sensor obstructed, incorrect timer setting, sensor malfunction.	Clear any obstructions from the photocell sensor. Reconfigure timer settings. Ensure the transformer is mounted correctly.
Lights are not waterproof.	Improper installation, damaged seals.	Ensure all connectors are fully tightened and sealed. Inspect lights for physical damage.

If the problem persists after attempting these solutions, please contact HIBOITEC customer support.

WARRANTY AND SUPPORT

HIBOITEC provides a lifetime after-sale support guarantee for this product. This includes a lifelong replacement service for any manufacturing defects or functional failures under normal use.

For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact HIBOITEC customer service through the retailer where the product was purchased or visit the official HIBOITEC website for contact information.

If you require extension cords to increase the distance between lights, these can be purchased separately from the HIBOITEC store. Search for "extension cords" or product B09ZTWSYGC.