

FVTLED B106B

FVTLED D35MM 12V IP65 Warm White LED Deck Lights Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your FVTLED D35MM 12V IP65 Warm White LED Deck Lights. Please read this manual thoroughly before installation and retain it for future reference. These lights are designed for outdoor use, providing warm white illumination for decks, stairs, patios, and other landscape areas.

SAFETY INFORMATION

- Always disconnect power before installation or servicing.
- Ensure the power supply is 12V DC. Connecting to a higher voltage will damage the lights.
- Do not modify the product in any way, as this may void the warranty and create safety hazards.
- Keep children away from electrical components during installation.
- Ensure all connections are secure and waterproof, especially in outdoor environments.
- If you encounter a reversed positive and negative power supply, contact customer support for assistance.

PACKAGE CONTENTS

- 10 x FVTLED D35MM LED Deck Lights (Warm White, Red Bronze finish)
- 1 x 12V DC Power Supply/Transformer
- Connecting cables with male and female waterproof connectors
- Instruction Manual

The image below shows the typical contents of the FVTLED deck light kit.



Image: A white box labeled 'FVTLED 12V DC LED DECK LIGHT' next to a spread-out set of 10 individual deck lights, each with a cable, and a power supply unit. This illustrates the complete kit contents.

SPECIFICATIONS

Feature	Specification
Brand	FVTLED
Model Number	B106B
Light Color	Warm White
Material	Metal
Voltage	12 Volts DC
Wattage	0.4 watts per light (Max 4 watts for 10 lights)
Brightness	30 Lumen per light
Water Resistance Level	IP65 Waterproof
Light Size	Diameter 35mm (1.38 inch) x Height 25mm (0.98 inch)

Feature	Specification
Mount Hole Size	Diameter 24mm (0.94 inch)
Distance Between Lights	Approximately 3.28 ft (1 meter)
Installation Type	Recessed / Surface Mount

SETUP AND INSTALLATION

The FVTLED deck lights are designed for easy, plug-and-play installation. Follow these steps for a successful setup.

1. Planning Your Layout

Before drilling, plan the placement of each light. Consider the distance between lights (approximately 3.28 ft) and the overall area you wish to illuminate. Ensure the power supply can reach the first light in your series.

2. Drilling Holes

For recessed installation, drill holes of approximately 24mm (0.94 inches) in diameter at your desired locations. The light fixture itself has a diameter of 35mm (1.38 inches) and a height of 25mm (0.98 inches). A 15/16 inch drill bit is often recommended for a snug fit.

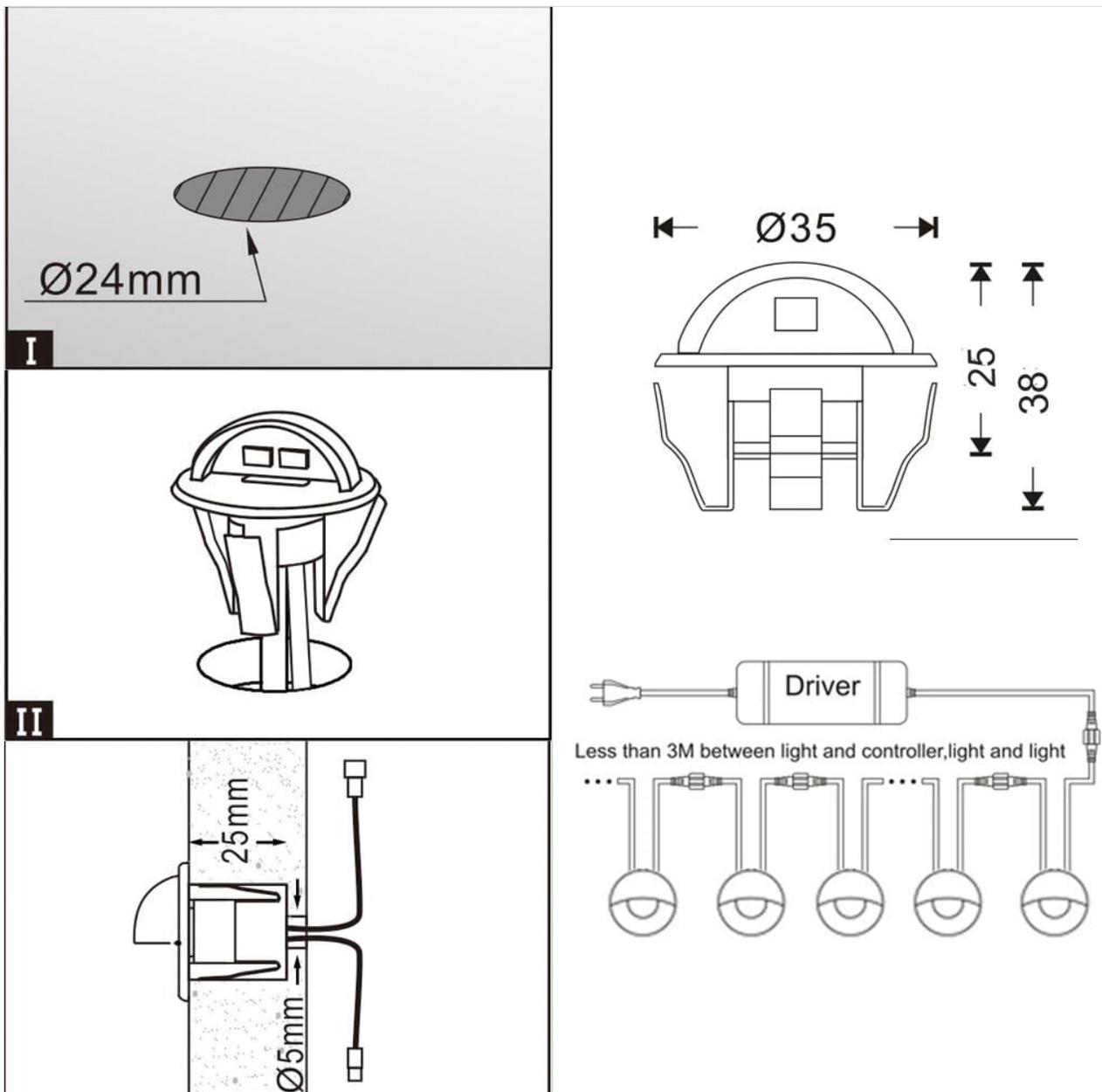


Image: A diagram illustrating the dimensions of the LED deck light (35mm diameter, 25mm height) and the required mounting hole size (24mm diameter). It also shows a cross-section of the light installed in a surface.

3. Inserting the Lights

Push each LED deck light into the drilled holes. The spring clips on the sides of the light will secure it in place. Ensure the light is flush with the surface for a clean finish.

4. Connecting the Cables

The lights feature male and female waterproof connectors for easy series connection. Connect the male connector of one light to the female connector of the next. Pay attention to the arrows on the connectors to ensure correct polarity. Push firmly until the connection is secure, then screw down the threaded fitting.



Image: A close-up view of the male and female waterproof connectors for the deck lights, with red arrows pointing to alignment marks on the connectors, emphasizing the importance of correct connection.

5. Power Connection

Connect the main cable from the series of lights to the provided 12V DC power supply. Plug the power supply into a standard electrical outlet. The lights should illuminate immediately.

For a visual guide on unboxing, product details, connection, and waterproof testing, please refer to the official product video below:

Video: An official FVTLED video demonstrating the unboxing of the LED deck light kit, showcasing individual lights, explaining the male-female connection method, and performing a waterproof test by submerging a lit light in water.

The lights are IP65 waterproof rated, meaning they are protected against dust and low-pressure water jets. This makes them suitable for various outdoor applications, as shown in the example below.



Image: A beautifully lit outdoor wooden staircase at night, with FVTLED deck lights recessed into the risers, providing clear and warm illumination for safe passage.

OPERATING INSTRUCTIONS

Once properly installed and connected to the power supply, the FVTLED deck lights will illuminate when the power supply is active. There are no additional controls on the lights themselves; operation is typically controlled by the power source (e.g., a wall switch connected to the outlet where the power supply is plugged in).

MAINTENANCE

- **Cleaning:** Periodically clean the light surfaces with a soft, damp cloth to remove dirt and debris. Avoid abrasive cleaners.
- **Connection Check:** Annually inspect all cable connections to ensure they remain tight and waterproof, especially after extreme weather conditions.
- **Damage Inspection:** Check for any physical damage to the lights or cables. If damage is found, disconnect power immediately and replace the affected components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on	No power to the outlet; loose connections; reversed polarity; faulty power supply or light.	Check power outlet; ensure all connectors are securely fastened; verify correct polarity (arrows on connectors); test power supply; inspect individual lights for damage.
Some lights are off	Loose connection to a specific light; damaged light.	Check connections for the non-working lights; if a single light is faulty, it can be replaced without affecting others in the series.
Lights are dim or flickering	Insufficient power; loose connection; voltage drop over long cable runs.	Ensure power supply is adequate for the number of lights; check all connections; consider using shorter cable runs or additional power supplies for very long installations.
Water inside light fixture	Improperly sealed connection; damaged light housing.	Ensure all waterproof connectors are fully tightened; inspect light housing for cracks or damage. Replace if necessary.

WARRANTY AND SUPPORT

FVTLED products are manufactured to high-quality standards. For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official FVTLED website. Please have your model number (B106B) and purchase date available when contacting support.