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Luceco LEXGSPK2P40-01

Luceco LED Garden Spotlights User Manual

Model: LEXGSPK2P40-01

Brand: Luceco

1. INTRODUCTION

Thank you for choosing the Luceco LED Garden Spotlights. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new garden lights. These 3W LED spotlights are designed as extensions for existing 12V garden lighting systems, offering 200 lumens of 4000K neutral white light, perfect for illuminating your outdoor spaces. Please read this manual thoroughly before use and retain it for future reference.

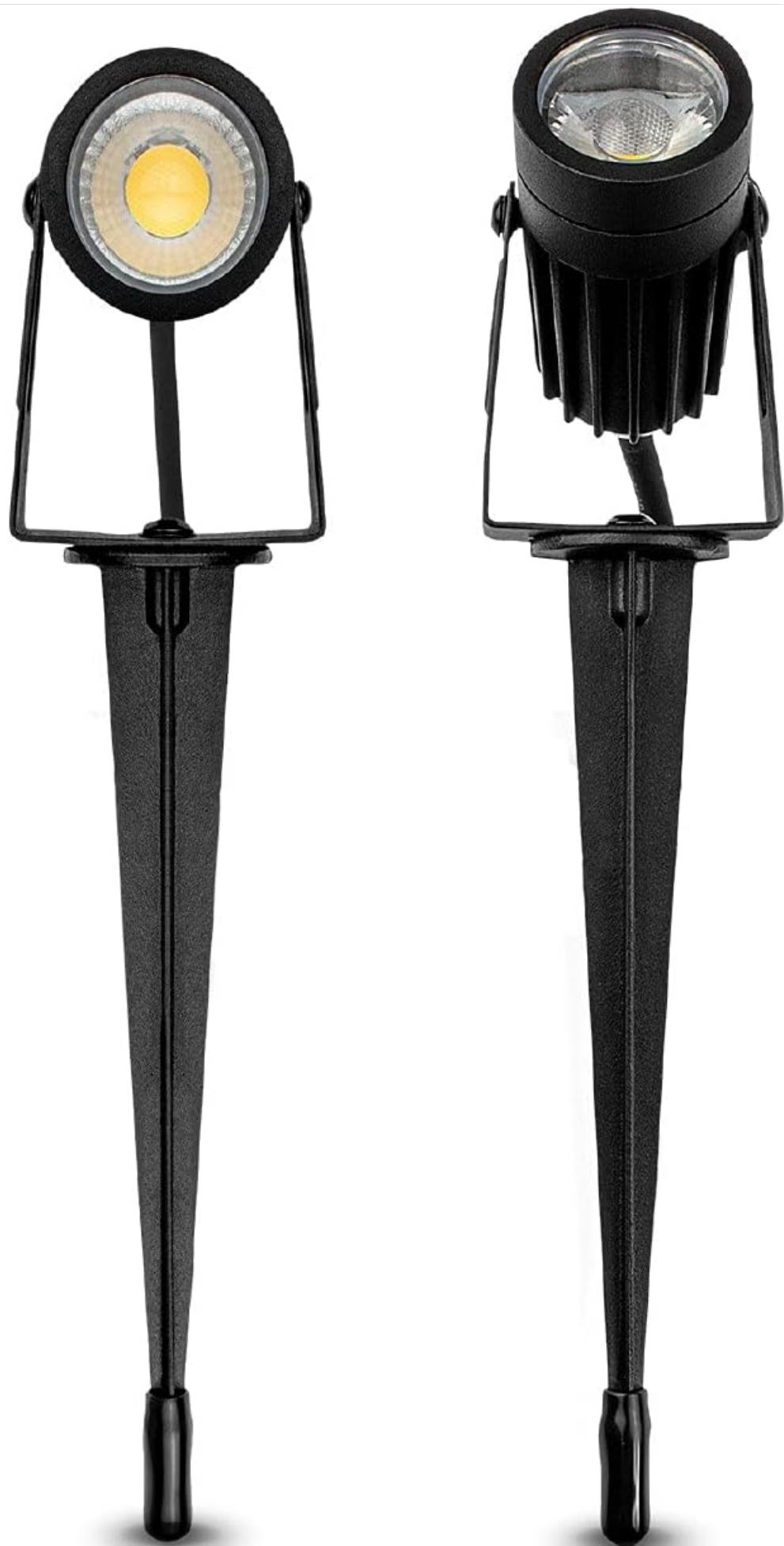


Image 1.1: The Luceco LED Garden Spotlights with ground spikes, ready for installation.

2. IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when installing and operating electrical products to reduce the risk of fire, electric shock, and personal injury.

- **Read all instructions:** Before installation or use, carefully read and understand all instructions provided in this manual.
- **Qualified personnel:** Installation should be performed by a qualified electrician or a person with a thorough understanding of electrical systems, especially for outdoor applications.
- **Power source:** Ensure the power source is compatible with the product's voltage requirements (12V DC). Do not connect directly to mains voltage (230V AC) without a suitable transformer.
- **Water and moisture:** This product is rated IP66 for outdoor use, meaning it is protected against powerful water jets and dust. However, do not submerge the product in water. Ensure all connections are secure and waterproof.
- **Damage inspection:** Before installation, inspect the product for any damage. Do not install if the product or its cable is damaged.
- **Cable protection:** Protect cables from sharp objects, hot surfaces, and heavy traffic areas. Do not run cables through doorways or windows where they might be pinched.
- **Disposal:** Dispose of the product and its components responsibly according to local regulations. Do not dispose of electrical products with household waste.

3. PACKAGE CONTENTS

Please check the package to ensure all components are present and undamaged:

- 2 x Luceco LED Garden Spotlights with integrated ground spikes

4. SETUP AND INSTALLATION

These spotlights are designed as extensions for an existing 12V garden lighting system. Ensure your main system has sufficient capacity for additional lights.

1. **Choose Location:** Select the desired location for each spotlight in your garden. Consider the area you wish to illuminate and the proximity to your existing 12V garden lighting cable.
2. **Prepare the Ground:** Ensure the ground is soft enough to insert the ground spike without excessive force. If the ground is too hard, moisten it or use a small tool to create a pilot hole.
3. **Insert Ground Spike:** Firmly push the ground spike of each spotlight into the soil until it is stable and upright. Do not use a hammer directly on the light fixture.
4. **Connect to System:** These spotlights feature a 'plug and play' connection. Connect the cable from the spotlight to an available connector on your existing 12V garden lighting system's main cable. Ensure the connection is secure and watertight.
5. **Adjust Light Angle:** The spotlight head is adjustable. Loosen the side screws slightly, tilt and rotate the light head to direct the beam as desired, then tighten the screws to secure its position.



Image 4.1: Key features and plug-and-play connection of the Luceco garden spotlight.





Image 4.2: Side view illustrating the ground spike and adjustable head of the spotlight.

5. OPERATION

Once properly installed and connected to your 12V garden lighting system, the Luceco LED Garden Spotlights will operate in conjunction with your main system's power control (e.g., a timer or switch). There are no individual controls on

the spotlights themselves.

- **Power On/Off:** The spotlights will turn on and off with the main power supply to your 12V garden lighting system.
- **Adjusting Illumination:** If you need to change the direction of the light beam, gently loosen the screws on the side of the spotlight head, adjust the angle, and then re-tighten the screws firmly.



Image 5.1: Example of a Luceco garden spotlight effectively illuminating garden foliage at night.

6. MAINTENANCE

The Luceco LED Garden Spotlights are designed for minimal maintenance. However, regular checks can ensure optimal performance and longevity.

- **Cleaning:** Periodically wipe the lens and housing with a soft, damp cloth to remove dirt, dust, or debris that may accumulate and reduce light output. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the cables and connections for any signs of wear, damage, or loose connections.

Ensure the ground spikes remain firmly in place.

- Weather Protection:** While rated IP66, extreme weather conditions (e.g., heavy snow, prolonged freezing temperatures) may require temporary removal or additional protection to prolong the product's life.

7. TROUBLESHOOTING

If you encounter issues with your Luceco LED Garden Spotlights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power to the main 12V system. Loose or faulty connection. Damaged cable.	Check the main power supply and transformer for your 12V system. Ensure all connections are secure and watertight. Inspect the cable for cuts or damage. If damaged, replace the unit.
Light is dim or flickering.	Insufficient power from the main system. Loose connection. Dirt on the lens.	Ensure your 12V system's transformer has enough wattage for all connected lights. Check and secure all cable connections. Clean the lens with a soft, damp cloth.
Water inside the light housing.	Seal compromised. Improper installation.	If water ingress occurs, discontinue use immediately. This indicates a fault or damage to the seal. The unit may need replacement. Ensure connections are properly sealed during installation.

8. SPECIFICATIONS

Feature	Specification
Brand	Luceco
Model Number	LEXGSPK2P40-01
Product Dimensions (L x W x H)	6.6 x 21 x 4 cm
Weight	755 grams (total for 2 lights)
Ingress Protection (IP) Rating	IP66
Number of Items	2
Color	Black (Set of 2 garden lights)
Material	Alloy Steel
Included Components	2 garden lights

Feature	Specification
Voltage	12 Volts (DC)
Lighting Angle	Adjustable
Plug Type	AC/DC (for connection to 12V system)
Batteries Required	No
Bulb Type	LED
Energy Label	A++
Luminous Flux	200 lm
Wattage	3 Watts
Color Rendering Index (CRI)	80
Average Lifespan	30,000 Hours

9. WARRANTY AND SUPPORT

Luceco products are manufactured to high standards and are designed for durability. For specific warranty information, please refer to the warranty card included with your purchase or visit the official Luceco website. If you require technical support or have questions not covered in this manual, please contact Luceco customer service through their official channels.

For the latest information and support, please visit: www.luceco.com