

wowatt WL0602311

wowatt Dimmable LED Spotlight Set (6-Pack) Instruction Manual

Model: WL0602311

1. INTRODUCTION

Thank you for choosing the wowatt Dimmable LED Spotlight Set. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new spotlights. Please read these instructions thoroughly before use and retain them for future reference.

2. SAFETY INFORMATION

- Always disconnect power before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician in accordance with local wiring regulations.
- Do not modify the product in any way.
- Ensure the voltage supply matches the product specifications (AC 220-240V, 50-60Hz).
- This product is designed for indoor use only and is not water-resistant.
- Avoid direct eye exposure to the light source.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- LED Spotlights x 6
- Screws x 12
- Expansion Screws x 12
- Spring Clips x 12
- Terminal Blocks x 6
- Instruction Manual x 1



Figure 3.1: Contents of the wowatt LED Spotlight package.

4. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	wowatt
Model	WL0602311
Color	Black
Material	Polycarbonate
Power	5.5 W
Lumen Output	550 LM
CRI (Color Rendering Index)	82+
Beam Angle	38°
Color Temperature (CCT)	3000K (Warm White), 4000K (Neutral White), 6000K (Cool White)
Dimming Range	10%, 50%, 100% (via standard switch)
Voltage	AC 220-240 V, 50-60 Hz
Lifespan	30,000 hours
Product Dimensions (L x W x H)	9.2 x 9.2 x 3 cm
Inner Diameter	59 mm
Adjustable Angle	30° (left/right)
Control Method	Push button (CCT), Standard switch (Brightness)
Installation Type	Surface-mounted, Recessed
Indoor/Outdoor Use	Indoor



Figure 4.1: Product dimensions and key specifications.

5. INSTALLATION

The wowatt LED spotlights offer two installation methods: surface-mounted and recessed. Choose the method suitable for your ceiling type and desired aesthetic. Always ensure power is disconnected before beginning installation.

Step 1: Separate Lamp Head from Shell

Gently squeeze the outer shell to separate the lamp head from the main housing. This allows access for wiring and mounting.

Surface-Mounted Installation

- Secure the Shell:** Attach the main housing to the ceiling using the provided screws. Ensure it is firmly fixed.
- Connect Wiring:** Connect the power cord to the terminal block. Ensure correct polarity (Live, Neutral).
- Attach Lamp Head:** Align the lamp head with the clips on the secured housing and push it in until it clicks securely into place.

Recessed Installation

1. **Prepare Opening:** Create an appropriate ceiling cutout for the spotlight. Refer to the product dimensions for the required hole size.
2. **Secure Lamp Head:** Attach the spring clamps to both sides of the lamp head.
3. **Connect Wiring:** Connect the power cable to the terminal block. Ensure correct polarity.
4. **Insert into Ceiling:** Push the spring clamps upwards and insert the entire lamp assembly into the ceiling hole until it sits flush.
5. **Completion:** The installation is complete.



Figure 5.1: Installation methods for wowatt LED spotlights.

6. OPERATING INSTRUCTIONS

6.1 Adjustable Angle

The spotlight head can be rotated 30° to the left and right. This allows you to direct the light precisely to your desired area. Adjust the light angle as needed to highlight specific features or areas in your room.



Figure 6.1: Adjusting the spotlight angle.

6.2 Adjustable Color Temperature (CCT)

The spotlight features three color temperature settings: 3000K (Warm White), 4000K (Neutral White), and 6000K (Cool White). To change the color temperature, locate the small switch on the back of the lamp head. Gently slide the switch to select your preferred CCT. This allows you to create different lighting atmospheres for various scenarios.



Figure 6.2: Selecting the color temperature.

6.3 Adjustable Brightness

The spotlights can be dimmed using a standard wall switch, without the need for a separate dimmer. The brightness levels are 100%, 50%, and 10%. To cycle through these brightness levels:

1. Turn on the light (default 100% brightness).
2. Quickly turn the light off and on again to switch to 50% brightness.
3. Quickly turn the light off and on again to switch to 10% brightness.
4. Repeat the quick off/on cycle to return to 100% brightness.

If the light is turned off for an extended period, restarting it will restore the default brightness to 100%.



Figure 6.3: Adjusting brightness levels.

7. MAINTENANCE

- **Cleaning:** Ensure the power is off before cleaning. Wipe the spotlights with a soft, dry cloth. Do not use abrasive cleaners or solvents.

- **Inspection:** Periodically check for any loose connections or damage to the wiring. If any damage is found, discontinue use and consult a qualified electrician.
- **Bulb Replacement:** The LED light source is integrated and not user-replaceable. The product has a lifespan of 30,000 hours.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on	No power supply; Loose wiring; Faulty switch	Check power connection; Ensure wiring is secure; Test the switch.
Light flickers	Unstable power supply; Loose connection	Check power source; Secure all wiring connections.
Cannot change color temperature	CCT switch not properly engaged	Ensure the CCT switch on the lamp head is fully slid to one of the three positions.
Cannot adjust brightness	Incorrect switching sequence; Incompatible dimmer (if used)	Follow the quick off/on sequence precisely; Ensure no incompatible dimmer is used, as the product dims via a standard switch.

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

9. WARRANTY AND SUPPORT

The wowatt LED spotlight set comes with a **3-year warranty**. If you have any questions or encounter issues after purchase, please contact our customer support. We aim to respond within 24 hours and resolve your concerns. For further assistance, please refer to the contact information provided with your purchase or visit the official wowatt website.

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