

B.K.Licht 20-04-05-S

B.K.Licht IRIS LED Recessed Spotlights User Manual

Model: 20-04-05-S

Brand: B.K.Licht

1. INTRODUCTION

Thank you for choosing B.K.Licht IRIS LED Recessed Spotlights. This product is designed to provide efficient and warm lighting for various indoor spaces, including bathrooms, thanks to its IP44 splash protection. This manual contains important information regarding the safe installation, operation, and maintenance of your new LED spotlights. Please read it thoroughly before installation and keep it for future reference.

2. SAFETY INSTRUCTIONS

- **Electrical Safety:** Always disconnect the main power supply before attempting any installation, maintenance, or repair work. Installation should be performed by a qualified electrician if you are unsure.
- **Voltage:** This product operates at 230 Volts. Ensure your electrical system is compatible.
- **Indoor Use Only:** These spotlights are designed exclusively for indoor applications.
- **IP44 Protection:** The IP44 rating ensures protection against splashing water, making these spotlights suitable for bathroom use. However, they are not designed for direct water immersion.
- **Enclosed Spaces:** Use only in enclosed spaces as specified.
- **Heat:** LED lights generate heat. Ensure adequate ventilation around the fixtures and do not cover them with insulating material unless specifically rated for it.
- **Damage:** Do not operate the product if any part is damaged. Contact customer support for assistance.

3. PACKAGE CONTENTS

The package includes:

- 5 x B.K.Licht IRIS LED Recessed Spotlights
- 1 x User Manual (this document)

4. SPECIFICATIONS

Feature	Specification
Model Number	20-04-05-S (IRIS)
Brand	B.K.Licht
Voltage	230 Volts
Wattage per Spot	5.5 Watts
Luminous Flux per Spot	470 Lumens
Color Temperature	3000 Kelvin (Warm White)
Dimmable	Yes
IP Rating	IP44 (Splash-proof)
Material	Metal
Product Dimensions (L x W x H)	7.5 x 7.5 x 3 cm
Required Cut-out Diameter	60 mm
Installation Depth	30 mm
Number of Lights	5
Light Source	Integrated LED
Mounting Type	Ceiling Mount

5. SETUP AND INSTALLATION

Follow these steps for safe and proper installation of your B.K.Licht IRIS LED Recessed Spotlights:

- 1. Prepare the Installation Area:** Ensure the main power supply to the installation area is switched off at the circuit breaker. Use a voltage tester to confirm no power is present.
- 2. Mark and Cut the Hole:** Using the specified cut-out diameter of 60 mm, mark the desired position for each spotlight on the ceiling. Carefully cut the holes using an appropriate tool. The low installation depth of 30 mm allows for flexible placement.
- 3. Connect Wiring:** Pull the electrical wires through the cut-out hole. Connect the spotlight's wires to your household electrical wiring according to local electrical codes. Typically, this involves connecting live (L) to live, neutral (N) to neutral. Ensure all connections are secure and properly insulated.



Image: Rear view of the spotlight with wiring connections. Ensure proper electrical connections are made.

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Image: Dimensional diagram indicating a 75mm outer diameter, 30mm installation depth, and a required 60mm ceiling cut-out.

4. **Insert the Spotlight:** Gently push the spring clips on the sides of the spotlight upwards and insert the spotlight into the prepared ceiling hole. The clips will secure the spotlight in place.
5. **Restore Power:** Once all spotlights are securely installed and wired, restore power at the circuit breaker.
6. **Test Functionality:** Turn on the light switch to verify that all spotlights are functioning correctly.

For optimal performance in wet areas like bathrooms, the IP44 rating ensures protection against splashing water. The diagram below illustrates the difference between IP20 (standard indoor) and IP44 (splash-proof) protection.

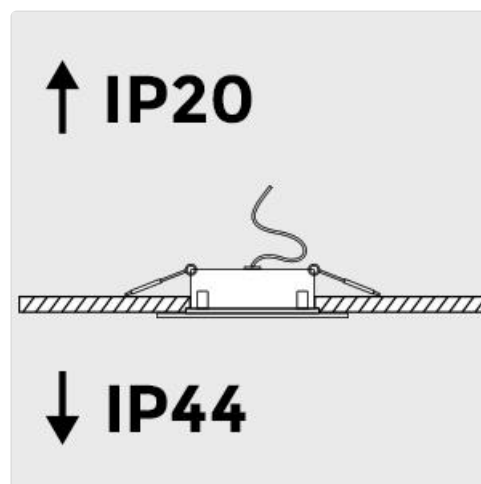


Image: Comparison of IP20 and IP44 ratings, highlighting IP44's suitability for environments with splashing water.

6. OPERATING INSTRUCTIONS

The B.K.Licht IRIS LED Recessed Spotlights are designed for simple operation:

- **Turning On/Off:** Operate the spotlights using a standard wall light switch connected to the circuit.

- **Dimming Function:** These spotlights are dimmable. To utilize the dimming feature, they must be connected to a compatible dimmer switch (not included). The control method is typically tactile, meaning it responds to the dimmer switch's input.
- **Light Color:** The spotlights emit a warm white light at 3000 Kelvin, creating a comfortable and inviting atmosphere.



Image: Examples of the spotlights installed in a kitchen and living room, showcasing their aesthetic integration.



Image: Examples of the spotlights installed in bathrooms, demonstrating their IP44 rating in practical settings.

7. MAINTENANCE

These LED spotlights require minimal maintenance:

- **Cleaning:** To clean the surface of the spotlights, ensure the power is off. Use a soft, dry, or slightly damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or electrical components.
- **No User-Serviceable Parts:** The integrated LED light source is not replaceable by the user. Do not attempt to open or repair the fixture.
- **Disposal:** At the end of their lifespan, dispose of the product according to local regulations for electronic waste.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Spotlight does not turn on	No power supply; Loose wiring connection; Faulty switch; Damaged spotlight.	Check circuit breaker and wall switch. Verify wiring connections are secure. Test with a known working switch. If still not working, the spotlight may be faulty.
Spotlight flickers	Incompatible dimmer switch; Loose wiring; Voltage fluctuations.	Ensure you are using an LED-compatible dimmer switch. Check wiring connections. If flickering persists, consult an electrician.
Light output is too low or too high	Dimmer setting; Incorrect dimmer type.	Adjust the dimmer setting. Ensure the dimmer is compatible with LED lights and rated for the total wattage.

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

9. WARRANTY AND SUPPORT

B.K.Licht products are manufactured with quality and durability in mind. While specific warranty details are not provided in this document, please retain your proof of purchase. For any questions, technical support, or warranty claims, please contact B.K.Licht customer service through your retailer or the official B.K.Licht website.

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ASK A QUESTION ABOUT THIS MANUAL

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.

Name

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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