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Briloner 7231-036

Briloner Leuchten 7231-036 Dimmable LED Recessed Spotlights User Manual

Model: 7231-036 | Brand: Briloner

1. INTRODUCTION

Thank you for choosing the Briloner Leuchten 7231-036 Dimmable LED Recessed Spotlights. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new lighting product. Please read these instructions carefully before installation and retain them for future reference.



Image 1.1: Briloner 7231-036 LED Recessed Spotlights (Set of 3)

2. SAFETY INSTRUCTIONS

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with local wiring regulations. Always disconnect power at the main circuit breaker before installation, maintenance, or repair.
- **Voltage:** This product operates on a 230V AC power supply. Ensure your electrical system matches this requirement.
- **Indoor Use Only:** These lights are designed for indoor use.
- **IP44 Rating:** The IP44 rating indicates protection against solid objects larger than 1mm and splashing water from any direction. This makes the lights suitable for use in bathrooms (Zone 2 and outside zones). However, avoid direct water jets.
- **Heat:** LED lights generate heat. Ensure adequate ventilation around the fixture. Do not cover the lights with insulating material unless specifically rated for it.
- **Light Source:** The LED module is integrated and not user-replaceable. Do not attempt to disassemble the light source.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 3 x Briloner Leuchten 7231-036 LED Recessed Spotlights
- Instruction Manual (this document)

Note: Diffuser attachments (article number 7223-060) and lenses (article numbers 7267-000 and 7268-000) are available separately and are not included in this package.

4. PRODUCT FEATURES

- **Model:** 7231-036
- **Brand:** Briloner
- **Type:** Dimmable LED Recessed Spotlight
- **Color:** White
- **Material:** Plastic
- **Power Consumption:** 5.5 Watts per spotlight
- **Light Output:** 470 Lumens per spotlight
- **Light Color:** Warm White
- **Voltage:** 230V (no transformer required)
- **Protection Class:** IP44 (suitable for bathrooms)
- **Installation Depth:** Only 30 mm
- **Dimming:** Compatible with phase cut-off and phase section dimmers.
- **Energy Efficiency Class:** F



Image 4.1: Dimmable Feature and Energy Efficiency Class F

5. SETUP AND INSTALLATION

Before starting, ensure the power supply is switched off at the main circuit breaker.

1. **Prepare the Mounting Hole:** Create a circular opening in your ceiling or mounting surface. The recommended drill hole diameter is approximately 60 mm. The outer diameter of the spotlight is 75 mm.
2. **Connect Wiring:** Connect the spotlight directly to your 230V AC mains power supply. Ensure correct polarity and secure all connections using appropriate terminal blocks. No separate transformer is required.
3. **Insert Spotlight:** Gently push the spotlight into the prepared opening. The spring clips on the sides of the fixture will secure it in place. The low installation depth of 30 mm allows for flexible placement.
4. **Test:** Once all spotlights are installed and secured, restore power at the main circuit breaker and test the functionality.

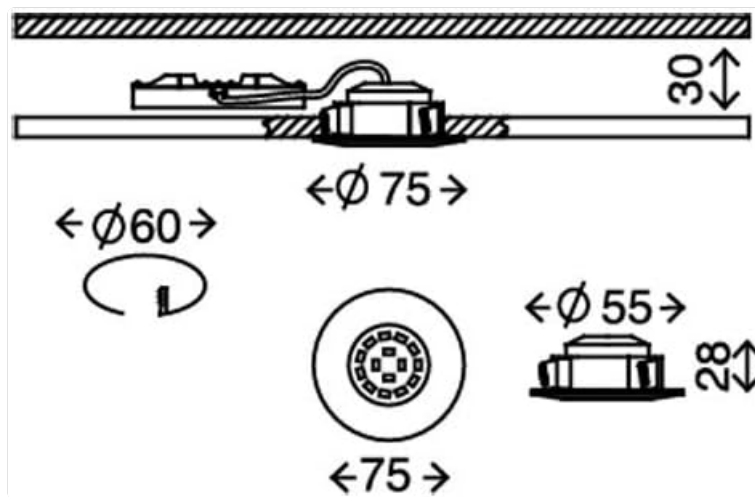


Image 5.1: Installation Dimensions and Diagram

This diagram illustrates the required dimensions for installation. The spotlight has an outer diameter of 75mm and requires a drill hole of approximately 60mm. The minimum installation depth needed is 30mm.

6. OPERATION

The Briloner 7231-036 LED recessed spotlights are designed for simple operation.

- **Switching On/Off:** Use a standard wall switch connected to the circuit to turn the lights on or off.
- **Dimming Function:** If connected to a compatible phase cut-off or phase section dimmer, you can adjust the light intensity to your desired level. Ensure the dimmer is suitable for LED loads.
- **Light Quality:** The spotlights emit a pleasant warm white light, suitable for various indoor environments, including living rooms and bathrooms.

7. MAINTENANCE

These LED spotlights require minimal maintenance.

- **Cleaning:** Disconnect power before cleaning. Wipe the surface of the spotlights with 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.
- **Inspection:** Periodically inspect the fixtures for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.
- **Light Source:** The integrated LED module is designed for a long lifespan and does not require replacement.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Lights do not turn on.	No power supply; loose wiring; faulty switch.	Check circuit breaker. Ensure all wiring connections are secure. Test the switch.

Problem	Possible Cause	Solution
Lights flicker or dim inconsistently.	Incompatible dimmer; loose connection; faulty LED module.	Ensure dimmer is compatible with LED loads (phase cut-off/phase section). Check wiring. If problem persists, contact support.
Buzzing noise from lights.	Incompatible dimmer; electrical interference.	Ensure dimmer is compatible with LED loads. If no dimmer is used, consult an electrician to check for electrical interference.

If these solutions do not resolve the issue, please contact Briloner customer support.

9. SPECIFICATIONS

Feature	Detail
Model Number	7231-036
Brand	Briloner
Product Dimensions	7.5 x 7.5 x 2.8 cm (L x W x H)
Weight	325 g (for the set)
Color	White
Material	Plastic
Style	Modern
Light Source Type	Integrated LED
Power Consumption	5.5 W per unit
Luminous Flux	470 Lumens per unit
Voltage	230 V AC
Dimmable	Yes, with phase cut-off and phase section dimmers
Protection Rating	IP44
Room Type	Bathroom, Living Room, etc.
Energy Efficiency Class	F
Specific Use	Indoor use only
Assembly Required	No (installation required)
Batteries Required	No

10. WARRANTY AND SUPPORT

Briloner Leuchten products are manufactured to high-quality standards. For warranty information or technical support, please refer to the retailer where you purchased the product or visit the official Briloner website. Keep your proof of purchase for any warranty claims.

For additional accessories like diffuser attachments (article number 7223-060) or lenses (article numbers 7267-000 and 7268-000), please contact your retailer or Briloner directly.

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