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› Arcchio Katerin LED Recessed Spotlight Instruction Manual

## **Arcchio 9649002**

# **Arcchio Katerin LED Recessed Spotlight Instruction Manual**

Model: 9649002

## **1. INTRODUCTION**

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Thank you for choosing the Arcchio Katerin LED Recessed Spotlight. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new lighting fixture. Please read these instructions carefully before installation and retain them for future reference.



Figure 1: Arcchio Katerin LED Recessed Spotlight, front view.

## 2. SAFETY INSTRUCTIONS

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- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with all local and national electrical codes. Ensure the power supply is disconnected before installation, maintenance, or repair.
- **Voltage:** This fixture operates on 230V. Verify your mains voltage matches this requirement.
- **IP44 Rating:** This product is rated IP44, meaning it is protected against solid objects larger than 1mm and against splashing water from any direction. It is suitable for use in bathrooms and other damp environments, but not for direct water immersion.
- **Protection Class II:** This product is double insulated and does not require an earth connection.
- **Heat:** Do not cover the fixture with insulating material unless specifically designed for it. Ensure adequate ventilation around the fixture.
- **Damage:** Do not use the fixture if any part is damaged. Contact the manufacturer or seller for replacement parts.

## 3. SETUP AND INSTALLATION

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The Arcchio Katerin LED Recessed Spotlight is designed for ceiling installation. Follow these steps for proper setup:

1. **Prepare the Ceiling:** Ensure the power supply to the installation area is switched off at the main circuit breaker. Cut a circular

opening in the ceiling suitable for the spotlight's diameter (refer to specifications for exact dimensions).

2. **Select Color Temperature:** Before installation, locate the DIP switch on the housing of the spotlight. Use this switch to select your desired light color: 3000K (warm white), 4000K (neutral white), or 5700K (cool white). This setting cannot be changed easily after installation.



Figure 2: Close-up of the DIP switch for selecting color temperature (3000K/4000K/5700K).

3. **Electrical Connection:** Connect the mains wiring to the terminal block on the spotlight. This fixture supports through-wiring, allowing multiple spotlights to be connected in series if required. Ensure all connections are secure.
4. **Insert into Ceiling:** Fold back the spring clips on the sides of the spotlight. Carefully push the spotlight into the prepared ceiling opening until the clips secure it in place.



Figure 3: Spotlight showing the spring-loaded mounting clips.

5. **Restore Power:** Once the spotlight is securely installed, restore power at the main circuit breaker.



Figure 4: The Katerin spotlight seamlessly installed in a ceiling.

## 4. OPERATING INSTRUCTIONS

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- **Power On/Off:** Control the spotlight using a standard wall switch connected to the circuit.
- **Dimming:** The Katerin spotlight is dimmable and compatible with both phase-on (leading edge) and phase-off (trailing edge) dimmers. Ensure your dimmer switch is suitable for LED lighting.
- **Adjusting Light Direction:** The central light unit of the spotlight is swivel-mounted and can be rotated up to 25 degrees. Gently adjust the inner ring to direct the light beam as desired. This allows for focused illumination of specific areas or objects.



Figure 5: Example of the Katerin spotlight providing focused illumination in a room.

## 5. MAINTENANCE

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- **Cleaning:** Disconnect power before cleaning. Wipe the fixture 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.
- **LED Light Source:** The LED light source is integrated and not user-replaceable. The expected lifespan of the LED is long, reducing the need for frequent replacement.
- **Inspection:** Periodically inspect the fixture for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.

## 6. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Light does not turn on.	No power supply; loose connection; faulty switch.	Check circuit breaker. Verify wiring connections. Test the switch.
Light flickers or dims incorrectly.	Incompatible dimmer; faulty dimmer; unstable power.	Ensure dimmer is LED-compatible (phase-on/off). Replace dimmer if faulty. Consult electrician for power stability.
Incorrect light color.	DIP switch set incorrectly during installation.	Disconnect power, carefully remove fixture, adjust DIP switch (see Section 3), and reinstall.

If the problem persists after attempting these solutions, please contact a qualified electrician or the product supplier for assistance.

## 7. SPECIFICATIONS

Feature	Detail
Brand	Arcchio
Model Number	9649002
Material	Plastic
Color	White (RAL 9016)
Product Dimensions	10.3 cm (Diameter) x 7.5 cm (Height)
Weight	190 g
Light Source	Integrated LED
Wattage	9 W (7.9 W effective)
Luminous Flux	900 Lumen
Color Temperature	3000K / 4000K / 5700K (selectable via DIP switch)
Beam Angle	36°
Voltage	230 V
IP Rating	IP44 (suitable for damp rooms)
Protection Class	II
Dimmability	Yes (Phase-on / Phase-off dimmer compatible)
Swivel Angle	Up to 25°
SDCM	<5
UGR	<21
Energy Efficiency Class	E

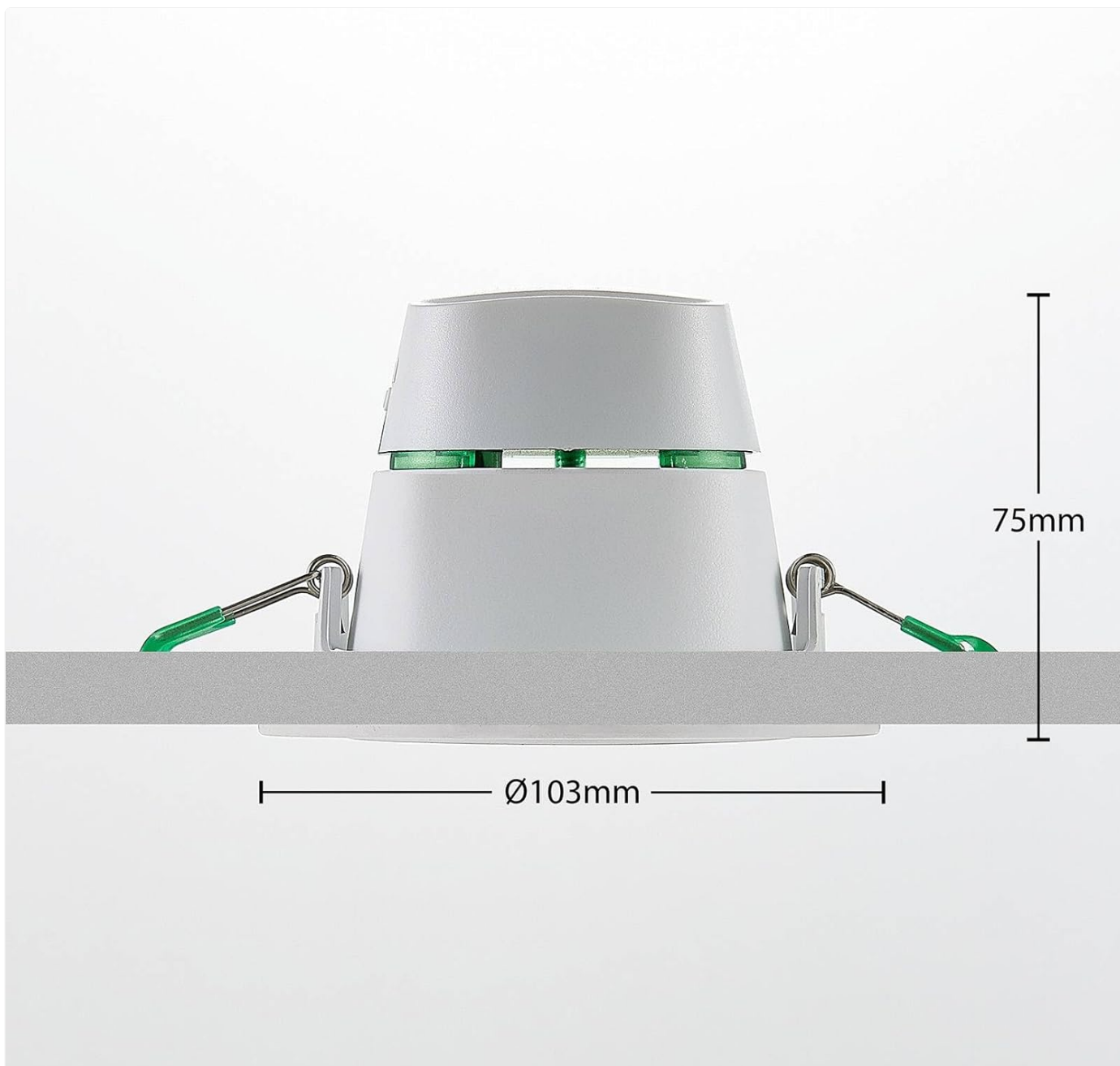


Figure 6: Dimensional drawing showing a diameter of 103mm and a height of 75mm.



Figure 7: EU Energy Label indicating efficiency class E. For more details, visit the [EPREL database](#).

## 8. WARRANTY AND SUPPORT

For warranty information, please refer to the terms and conditions provided by your retailer or the manufacturer, Arcchio. In case of technical issues or questions not covered in this manual, please contact the seller or Arcchio customer support. Keep your proof of purchase for warranty claims.

