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Paulmann 92465

Paulmann 92465 LED Base Smart Home Zigbee Recessed Spot Kit Instruction Manual

Model: 92465

1. Product Overview

The Paulmann 92465 LED Base Smart Home Zigbee Recessed Spot Kit in matte black offers robust and user-friendly lighting solutions. These metal recessed spots are suitable for both new installations and replacing existing lighting fixtures. They feature a direct 230V connection, allowing multiple luminaires to be linked together. The kit includes interchangeable LED bulbs controlled via Zigbee, providing warm white light (3000K) for a comfortable atmosphere. Continuous dimming enables individual brightness adjustment, offering flexibility from bright task lighting to a soft, ambient glow. Each spot can be individually controlled through a Zigbee-compatible application, remote control, or voice commands.



Image 1.1: Paulmann 92465 LED Base Smart Home Zigbee Recessed Spot Kit, showing the product packaging and a single recessed spot.

Package Contents:

- 3x Paulmann 92465 Recessed Spot Housings (Matte Black)
- 3x Interchangeable LED Coins (4.9W, 430lm, 3000K, Dimmable, Zigbee-enabled)
- Mounting Instructions



Image 1.2: Diagram illustrating the components included in the kit and key dimensions for installation.

2. Safety Instructions

Please read these safety instructions carefully before installation and operation. Keep this manual for future reference.

- **Electrical Installation:** Installation must be performed by a qualified electrician in accordance with national wiring regulations.
- **Voltage:** Ensure the power supply is disconnected before installation or maintenance. The product operates on 230V.
- **Damage:** Do not operate the product if it is damaged. Contact customer service for assistance.
- **Environment:** This product is rated IP20 for general indoor use. An image indicates IP23 for damp rooms; if installing in damp areas, ensure all connections are sealed appropriately and consult local regulations.
- **Heat:** Do not cover the luminaires with insulating material unless specifically designed for it. Ensure adequate ventilation.

3. Installation

Follow these steps for proper installation of your Paulmann recessed spots.

Required Tools (Not Included):

- Hole saw (68mm diameter)
- Wire strippers
- Screwdriver
- Voltage tester

Installation Steps:

1. **Disconnect Power:** Ensure the main power supply to the installation area is switched off at the circuit breaker.
2. **Prepare Ceiling:** Using a 68mm hole saw, cut the necessary mounting holes in the ceiling. Ensure there is sufficient space (minimum 50mm depth) above the ceiling for the fixture.
3. **Wiring:** The LED Coins feature integrated connection terminals for direct 230V wiring. Connect the live (L) and neutral (N) wires from your mains supply to the terminals. The spots are designed to be linked in series, allowing for easy connection of multiple units.
4. **Insert LED Coin:** Carefully insert the LED Coin into the recessed spot housing.
5. **Mount Fixture:** Fold back the pre-mounted spring clips on the recessed spot housing. Insert the housing into the prepared ceiling hole. The spring clips will secure the fixture in place.
6. **Adjust Angle:** The spot can be swiveled up to 20 degrees to direct the light as desired.
7. **Restore Power:** Once all spots are securely installed and wired, restore power to the circuit.



Image 3.1: Installation diagram illustrating the 230V direct connection, interchangeable LED Coin, and pre-mounted spring clips.



Image 3.2: Detailed diagram showing the required cut-out diameter (68mm), outer diameter (90mm), and installation depth (50mm).

4. Operation

The Paulmann 92465 LED Base spots offer flexible lighting control.

- **Power On/Off:** Control the spots via a standard wall switch connected to the circuit.
- **Dimming:** The integrated LED Coins are continuously dimmable. This functionality is controlled via your Zigbee smart home system (app, remote, or voice command).
- **Color Temperature:** The spots emit a warm white light at 3000 Kelvin, ideal for creating a cozy and inviting atmosphere.
- **Adjustable Light Angle:** Each spot can be manually swiveled up to 20 degrees to direct the light beam precisely where needed.



Image 4.1: Close-up of a Paulmann LED spot, emphasizing its warm white light (3000K) and dimmable capability.

5. Smart Home Integration (Zigbee)

The Paulmann 92465 spots are Zigbee-enabled, allowing seamless integration into compatible smart home systems.

- **Zigbee 3.0 Gateway:** A Zigbee 3.0 compatible gateway (e.g., Philips Hue Bridge, Amazon Echo with built-in Zigbee hub) is required for smart control.
- **Pairing:** Refer to your Zigbee gateway's instructions for adding new devices. The Paulmann spots can typically be discovered and paired within the gateway's app.
- **Control Options:** Once paired, you can control the spots individually or as a group via:
    - Smartphone/Tablet App
    - Compatible Smart Home Remote Control
    - Voice Commands (e.g., Amazon Alexa, Google Assistant)
- **Individual Control:** Zigbee technology allows for independent dimming and switching of each individual recessed

spot, providing precise control over your lighting environment.



Image 5.1: Illustration of Paulmann Zigbee-enabled lighting integrated into a smart home, compatible with Amazon Alexa and Google Assistant.



Image 5.2: Visual representation of smart lighting control, showing how lighting can transform the ambiance of a room.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your Paulmann recessed spots.

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe the surface of the spots. Do not use abrasive cleaners or solvents.
- **LED Bulb Replacement:** The LED Coins are interchangeable. If a bulb needs replacement, ensure power is disconnected. The replacement should be performed by a professional electrician to avoid damage to the luminaire. Use only compatible Paulmann LED Coins.

7. Troubleshooting

If you encounter issues with your Paulmann recessed spots, consider the following common solutions:

- **Light Not Turning On:**

- Check if the power supply is connected and switched on.
- Verify that the wiring connections are secure.
- Ensure the LED Coin is correctly inserted into the housing.
- If using smart control, check the app or remote for correct settings.

- **Dimming Not Working:**
  - Confirm the spots are properly paired with your Zigbee gateway.
  - Check for any software updates for your smart home app or gateway.
  - Ensure the dimming command is being sent correctly from your control device.
- **Flickering Light:**
  - Check for loose wiring connections.
  - Ensure the power supply is stable.

If these steps do not resolve the issue, please contact Paulmann customer support.

8. Specifications

Feature	Specification
Brand	Paulmann
Model Number	92465
Product Dimensions (L x W x H)	9 x 9 x 5 cm
Item Weight	362 grams
Material	Metal
Color	Matte Black
Shape	Round
Number of Bulbs	3
Bulb Type	LED
Wattage (per bulb)	4.9W
Total Wattage	14.7W
Luminous Flux (per bulb)	430 lm
Incandescent Equivalent (per bulb)	37W
Color Temperature	3000 Kelvin (Warm White)
Color Rendering Index (CRI)	80
Average Lifespan	25,000 Hours

Feature	Specification
Voltage	230 Volts
Power Source	AC
Special Features	Dimmable, Zigbee Compatible, Swiveling (20 degrees)
IP Rating	IP20 (General Indoor Use), IP23 (Suitable for Damp Rooms)
Energy Efficiency Class	F
Certification	CE
Installation Type	Ceiling Mount (Recessed)
Specific Uses	Office, Basement, Children's Room, Hallway, Dining Room

9. Warranty and Support

Paulmann stands by the quality of its products.

- **Warranty:** This product comes with a 5-year warranty. Please retain your proof of purchase for warranty claims.
- **Customer Support:** For technical assistance, troubleshooting, or warranty inquiries, please contact Paulmann customer service through their official website or the retailer where the product was purchased.

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