

Paulmann 79808

Paulmann 79808 Amaris LED Panel 595x295mm RGBW Smart Home Zigbee Instruction Manual

Model: 79808 | Brand: Paulmann

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Paulmann 79808 Amaris LED Panel. This ultra-flat LED panel, measuring 595 x 295 mm, offers versatile lighting options including warm white, cool white, and RGBW color control. It is compatible with Zigbee 3.0 for seamless integration into your smart home system. Please read this manual carefully before installation and use, and retain it for future reference.



Figure 1: Paulmann Amaris LED Panel product packaging.

2. SAFETY INFORMATION

- Ensure the power supply is disconnected before installation, maintenance, or cleaning.
- Installation must be performed by a qualified electrician or competent person in accordance with local electrical codes.
- Do not modify the product in any way. Unauthorized modifications may void the warranty and pose safety risks.
- This product is designed for indoor use only.
- Avoid direct exposure to water or high humidity.
- Do not cover the LED panel with insulating material or other objects that may impede heat dissipation.
- The light source of this luminaire is not replaceable; when the light source reaches its end of life, the entire luminaire shall be replaced.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- 1x Paulmann Amaris LED Panel (Model 79808)
- 1x LED Driver (Power Supply Unit)
- 1x Mounting Bracket
- Installation Instructions (this document)



Figure 2: Included components of the Paulmann Amaris LED Panel.

4. SETUP AND INSTALLATION

The Paulmann Amaris LED Panel is designed for ceiling mounting. Follow these steps for secure installation.

4.1 Dimensions

The panel measures 595 mm in length, 295 mm in width, and has a height of 52 mm.



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Figure 3: Product dimensions for installation planning.

4.2 Mounting Steps

1. **Preparation:** Ensure the main power supply to the installation area is switched off at the circuit breaker.
2. **Marking:** Position the mounting bracket on the ceiling at the desired location and mark the drilling points.
3. **Drilling:** Drill holes at the marked points. Use appropriate drill bits and wall plugs for your ceiling material.
4. **Secure Bracket:** Attach the mounting bracket securely to the ceiling using screws.
5. **Electrical Connection:** Connect the LED driver to the 230V AC mains supply. This panel does not require an external transformer. Ensure correct wiring (Live, Neutral, Earth) according to local regulations.
6. **Connect Panel to Driver:** Plug the LED panel's connector into the LED driver's output.
7. **Attach Panel:** Carefully lift the LED panel and hook it onto the mounting bracket. Secure the panel to the bracket, ensuring it is flush with the ceiling.
8. **Final Check:** Once the panel is securely mounted and wired, restore power to the circuit.

5. OPERATING INSTRUCTIONS

The Paulmann Amaris LED Panel offers various lighting functionalities through its Smart Home Zigbee compatibility.

5.1 Basic Operation

Once installed and powered, the panel can be controlled via a compatible Zigbee gateway and associated control devices (e.g., remote control, smartphone app).

- **On/Off:** Use your Zigbee controller or app to switch the panel on or off.
- **Dimming:** Adjust the brightness level from 1% to 100% via your control device.

5.2 Color Temperature Adjustment (Tunable White)

The panel allows you to adjust the white light color temperature to suit your preference or activity.

- **Range:** Adjust the white light from 2700 Kelvin (warm white) to 6500 Kelvin (daylight white).
- **Control:** Use the color temperature slider or presets in your Zigbee app or remote control.

5.3 RGBW Color Selection

Explore a wide spectrum of colors to create different ambiances in your room.

- **Color Palette:** Select any color from the RGBW color palette available in your Zigbee app.
- **Effects:** Some Zigbee systems may offer pre-programmed color effects or scenes.



Figure 4: The LED panel's capability to display a wide range of RGBW colors.



Figure 5: Example of ambient lighting using the panel's RGBW features.

6. SMART HOME INTEGRATION (ZIGBEE)

The Paulmann Amaris LED Panel is Zigbee 3.0 compatible, allowing integration into various smart home ecosystems.

6.1 Zigbee Compatibility

Zigbee is a wireless communication protocol that enables devices from different manufacturers to connect and communicate within a smart home network.



Figure 6: Zigbee logo, signifying smart home integration capabilities.

6.2 Pairing with a Zigbee Gateway

To control your LED panel via a smartphone app or voice assistant, you need a compatible Zigbee gateway (e.g., Philips Hue Bridge, Amazon Echo with built-in Zigbee hub, Google Nest Hub).

1. **Power On:** Ensure the LED panel is powered on.
2. **Gateway Setup:** Follow the instructions for your specific Zigbee gateway to put it into pairing mode.
3. **Discover Devices:** Initiate a device search within your gateway's app. The LED panel should be discovered as a new light device.
4. **Assign:** Assign the discovered LED panel to a room or group within your smart home app for easy control.

The panel is ready for Amazon Alexa and Google Assistant integration when connected to a compatible Zigbee 3.0 gateway.

Smart lighting control



Figure 7: Smart lighting control options with Zigbee 3.0 gateway.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your LED panel.

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry, or slightly damp cloth to wipe the surface of the panel. Do not use abrasive cleaners, solvents, or harsh chemicals.
- **Inspection:** Periodically check for any loose connections or physical damage. If any damage is found, disconnect power and contact support.
- **Light Source:** The LED light source is integrated and not user-replaceable.

8. TROUBLESHOOTING

If you encounter issues with your Paulmann Amaris LED Panel, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Panel does not turn on.	No power supply; Loose wiring; Faulty driver.	Check circuit breaker. Ensure all connections are secure. Contact support if driver is suspected faulty.
Cannot connect to Zigbee gateway.	Panel not in pairing mode; Gateway too far; Interference.	Ensure panel is powered on. Bring gateway closer. Check for other wireless devices causing interference. Reset panel (refer to gateway manual for specific reset procedure if needed).
Colors are incorrect or inconsistent.	Software glitch; Calibration issue.	Restart the panel by cycling power. Check for firmware updates for your Zigbee gateway.
Panel flickers.	Unstable power supply; Incompatible dimmer (if not using smart dimming).	Ensure stable power. This panel is designed for smart dimming via Zigbee; do not use with external conventional dimmers.

9. SPECIFICATIONS

Detailed technical specifications for the Paulmann 79808 Amaris LED Panel.

Brand	Paulmann
Model Number	79808
Dimensions (L x W x H)	59.5 x 29.5 x 5.2 cm
Weight	2.24 Kilograms
Material	Metal
Style	Modern
Shape	Square (Rectangular Panel)
Voltage	230 Volts
Power Source	AC
Bulb Type	LED
Luminous Flux	2300 lm
Incandescent Equivalent	142 Watts
Color Temperature	2700K (Warm White) to 6500K (Daylight White)
Special Features	Dimmable, RGBW Color Control, Smart Home Zigbee 3.0 Compatible
Average Life	30,000 Hours
Energy Efficiency Class	F



Figure 8: Energy efficiency rating of the Paulmann Amaris LED Panel.

10. WARRANTY AND SUPPORT

Paulmann provides a commitment to quality for its products.

- **Spare Parts Availability:** Spare parts are available for 1 year from the date of purchase.
- **Customer Support:** For technical assistance, warranty claims, or further inquiries, please contact Paulmann customer service through their official website or your retailer.