Paulmann 70604

Paulmann MaxLED 500 LED Strip Basic Kit 5m Instruction Manual

Model: 70604

1. INTRODUCTION

The Paulmann MaxLED 500 LED Strip Basic Kit is designed for versatile interior lighting. These powerful LED strips can be used as primary lighting or for accentuation, particularly effective when integrated into profiles. The warm white light (2700K) provides a pleasant and relaxing ambiance.

This basic kit includes a 5-meter LED strip and a compatible electronic power supply. The system is expandable with additional strips, connectors, and control units, including remote controls. Always observe the maximum specified length during planning.

Image showing the Paulmann MaxLED 500 Basic Set 5m packaging and its main components: the 5-meter LED strip, power supply, and connection cable. The packaging highlights key features like 2750 lumens, 30W, 230/24V, 2700K warm white light, and dimmable functionality.

2. SAFETY INSTRUCTIONS

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

- **Electrical Safety:** Ensure the power supply is disconnected before installation or maintenance. Only use the provided power supply unit. Do not modify the product.
- **Indoor Use Only:** This product has an IP20 rating, meaning it is protected against solid objects larger than 12.5mm but has no protection against water. It is strictly for indoor use.
- **Temperature:** Do not expose the LED strip to extreme temperatures or direct sunlight.
- **Ventilation:** Ensure adequate ventilation around the power supply unit to prevent overheating.
- **Light Source:** This product is a containing product. Containing products are luminaires that can be disassembled to separately check the light source(s) contained within. This product contains a light source of energy efficiency class G.
- **Damage:** Do not use the product if any part is damaged. Contact customer service for replacement parts.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1x MaxLED 500 LED Strip (5 meters)
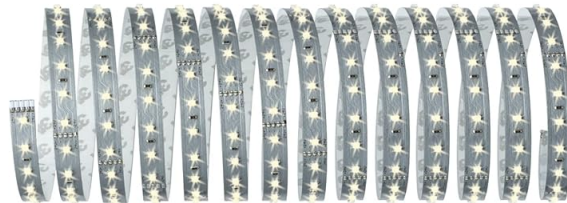- 1x Electronic Power Supply Unit
- Connection cables
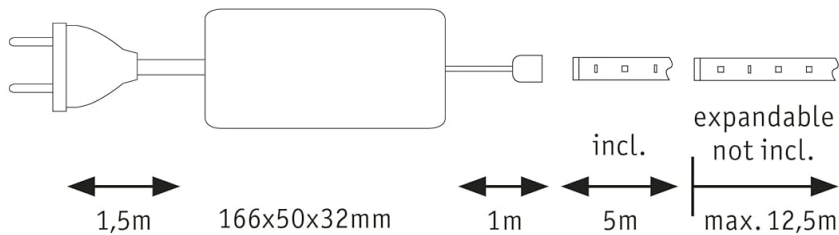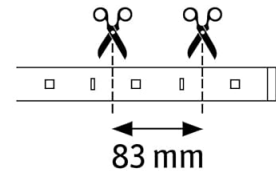
Inhalt content contenu :

1x

⇕ 3 mm
⇔ 500 cm
⤢ 12,5 mm

P = 34 W

83 mm

60 VA

incl.

expandable
not incl.

1,5m   166x50x32mm   1m   5m   max. 12,5m

5 Jahre Year Ans
Jaar Años Annos
Garantie

Diagram illustrating the package contents: one 5-meter LED strip (3mm thick, 12.5mm wide, 34W, 60VA), and the power supply unit with cables. It also shows the strip is cuttable every 83mm and indicates a 5-year warranty.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your MaxLED 500 LED strip:

1. **Prepare the Surface:** Ensure the mounting surface is clean, dry, smooth, and free of dust or grease. This is crucial for the adhesive backing to bond effectively.

2. **Measure and Cut (Optional):** The LED strip can be shortened to your desired length. Identify the designated cutting marks, which occur approximately every 8.3 cm (83 mm). Use sharp scissors to cut precisely along these marks. **Do not cut elsewhere on the strip.**

3. **Connect Strip Segments (Optional):** If you have cut the strip or wish to extend it, use compatible connectors (sold separately) to join segments. Ensure the pins align correctly for a secure electrical connection.

MaxLED 500

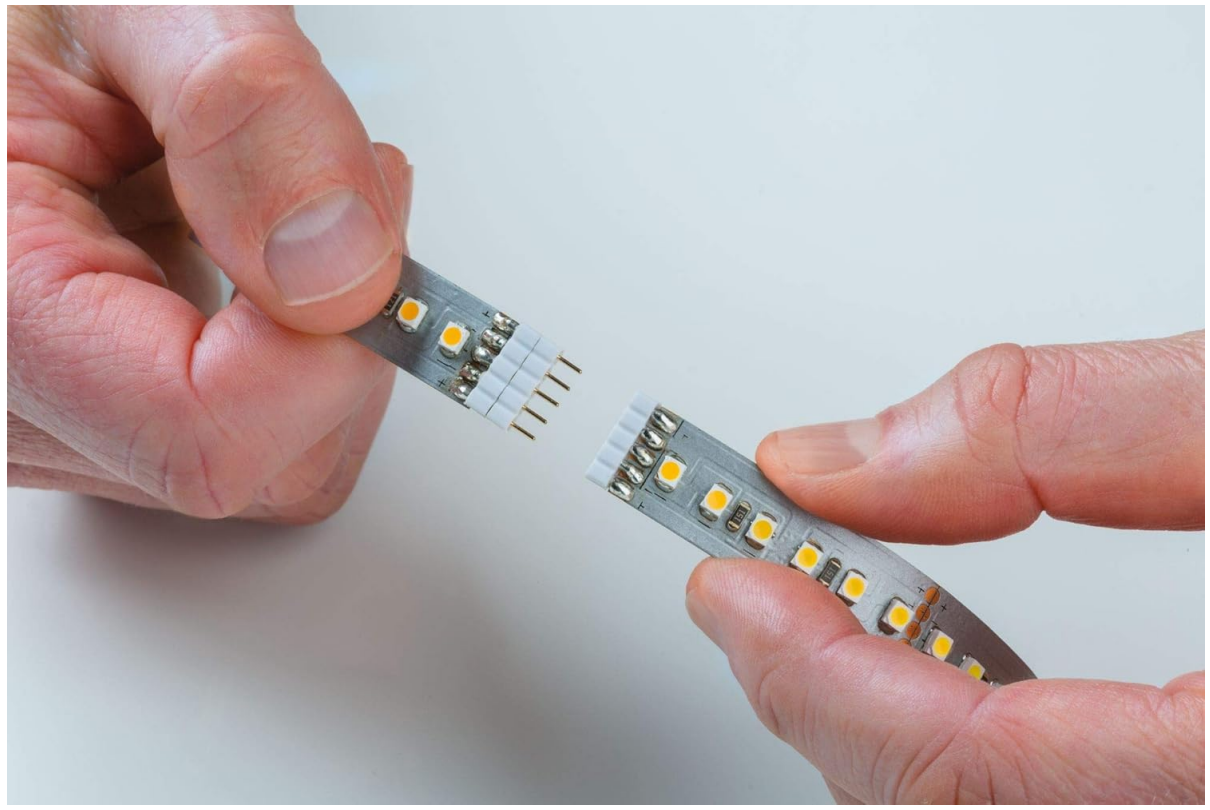## Rückseitiges Klebeband

72 LEDs/m

Kürzbar alle 8,3 cm

Leicht zu verbinden

A collage of four images detailing the features of the MaxLED 500 LED strip. Top left shows the self-adhesive backing, top right shows 72 LEDs per meter, bottom left shows the strip being cut at 8.3 cm intervals, and bottom right shows two strip segments being connected.

Close-up image of hands connecting two segments of the LED strip using a connector, demonstrating the simple plug-and-play connection system.

4. **Apply the Strip:** Carefully peel off the protective film from the self-adhesive backing. Press the LED strip firmly onto the prepared surface, ensuring even contact along its entire length.

5. **Connect to Power Supply:** Connect the LED strip to the output cable of the electronic power supply unit. Ensure the connection is secure and correctly oriented.

6. **Power On:** Plug the power supply unit into a standard electrical outlet. The LED strip should illuminate.

MaxLED 500
Basis-Set 5 m

Optimal als Arbeitslicht und für starke Akzente (550 lm/m)

Perfekt für Profile und innerhalb von Möbeln

Erweiterbares Komponentensystem

An image illustrating the Paulmann MaxLED 500 LED strip installed as under-cabinet lighting in a modern kitchen, providing optimal task lighting and strong accents. The text overlay indicates it's suitable for profiles and furniture, and is an expandable component system.

5. OPERATION

Once installed and powered, the MaxLED 500 LED strip provides warm white light. The system is designed to be dimmable, allowing you to adjust the light intensity to suit your needs. If you have purchased an optional control unit, you can operate the dimming function and switch the lights on/off via a remote switch.

An image showing the MaxLED 500 LED strip installed under kitchen cabinets, illuminating the countertop. Insets highlight 'Easy to connect', 'Easy to mount', and 'Easy to control' features, with a remote control shown.

6. MAINTENANCE

The MaxLED 500 LED strip requires minimal maintenance.

- **Cleaning:** Disconnect the product from the power supply before cleaning. Use a dry, soft cloth to gently wipe the LED strip and power supply unit. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the product.
- **Inspection:** Periodically check the connections and the strip for any signs of wear or damage.

7. TROUBLESHOOTING

If you encounter issues with your MaxLED 500 LED strip, refer to the following common problems and solutions:

- **No Light:**
  - Ensure the power supply is securely plugged into a working electrical outlet.
  - Verify that the LED strip is correctly connected to the power supply unit.
  - Check if the power outlet is functional by plugging in another device.

- **Flickering Lights:**

  - Check all connections between the strip and the power supply for looseness.
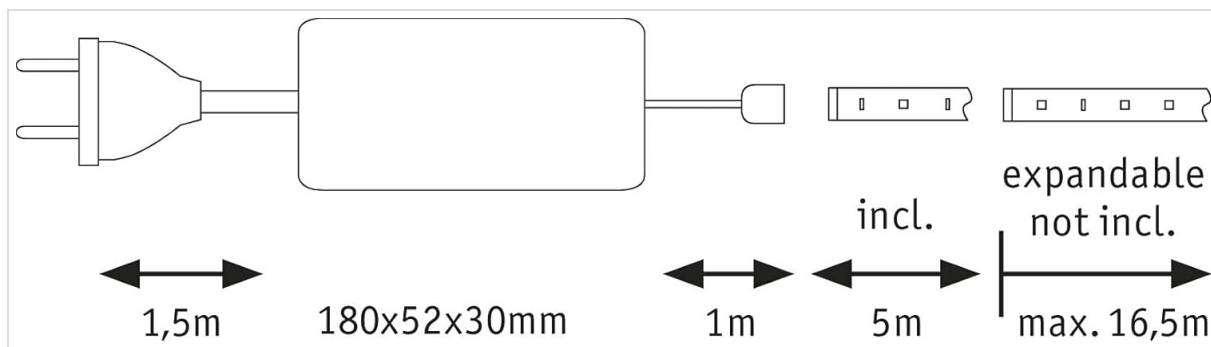 - Ensure the power supply is not overloaded (if additional strips have been added).

- **Uneven Brightness:**

  - Ensure the LED strip is adhered to a flat, even surface.
  - Check for any kinks or damage to the strip that might affect light distribution.

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

8. SPECIFICATIONS

Feature	Specification
Brand	Paulmann
Model Number	70604
Product Dimensions (L x W x H)	500 x 12.5 x 0.3 cm
Weight	450 g
IP Rating	IP20 (Indoor Use Only)
Style	Modern
Color (Strip)	Silver
Max Watts	30 Watts
Voltage	24 Volts
Special Features	Dimmable
Plug Type	AC/DC
Bulb Type	LED
Luminous Flux	2750 lm
Color Temperature	2700 Kelvin (Warm White)
Color Rendering Index (CRI)	80
Average Lifespan	30000 Hours
Cuttable Intervals	Every 8.3 cm (83 mm)
Max Expandable Length	16.5 meters (with additional components)

Technical diagram showing the dimensions of the power supply unit (180x52x30mm) and the LED strip, including cable lengths (1.5m input, 1m output) and the maximum expandable length of 16.5m.
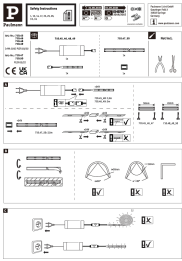
9. WARRANTY AND SUPPORT

This Paulmann MaxLED 500 LED Strip Basic Kit comes with a **5-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or to purchase additional components, please visit the official Paulmann website or contact their customer service department. Refer to the Paulmann website for the most up-to-date contact information.
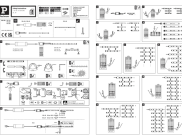
Related Documents - 70604

	[Paulmann MaxLED 706.19 LED Strip Controller Installation and Operation Guide](#) Comprehensive guide for the Paulmann MaxLED 706.19 LED strip controller, covering installation, code matching, code clearing, and technical specifications. Includes product details and EU conformity information.
	[Paulmann MaxLED 500 LED Strip Smart Home Bluetooth Installation Guide](#) This guide details the installation and operation of the Paulmann MaxLED 500 LED strip system (models 709.07, 709.08), a smart home lighting solution controllable via Bluetooth and the Paulmann Home app.
	[Paulmann LED-Streifenbeleuchtung: Sicherheit, Installation und technische Informationen](#) Umfassender Leitfaden für Paulmann LED-Streifen, Artikelnummern 788.71, 788.72, 788.73, einschließlich Sicherheitshinweisen, Energieeffizienz, Installationsdetails und technischen Spezifikationen. Enthält mehrsprachige Supportinformationen.
	[Paulmann MaxLED 500 LED Strip System Installation and Component Guide](#) Detailed guide for Paulmann MaxLED 500 LED strips, covering installation, component compatibility, and replaceability information. Includes product numbers 710.42 and 710.43, and various controller options.

[Paulmann MaxLED LED Strip Installation and Safety Guide](#)

Comprehensive guide for installing and safely using Paulmann MaxLED LED strips, covering product setup, electrical connections, and energy efficiency information.

[Paulmann MaxLED 1000 RGBW LED Strip Basic Set: Installation & Safety Guide](#)

Comprehensive guide for the Paulmann MaxLED 1000 RGBW LED Strip Basic Set (Models 705.28, 705.29, 705.30), covering installation, safety, operation, and component replaceability.