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# Paulmann MaxLED 500 Strip LED Full-Line COB User Manual

Model: 71111

## 1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Paulmann MaxLED 500 Strip LED Full-Line COB Base Kit. Please read these instructions carefully before use to ensure safe and optimal performance of the product.

The MaxLED 500 Full-Line COB Strips are designed for glare-free work lighting, suitable for kitchen countertops or other work surfaces. This 3-meter base kit features 15 W power and 640 LEDs/m, providing homogeneous illumination without visible light points. The luminous connector allows for a perfect connection that extends the linear light visual without visible interruption. In addition to the strips, the base kit includes a 5-pin adapter that allows connection to all MaxLED accessories and control components. Thanks to the intelligent Tunable White light control, you can customize the color temperature of the strip from a daylight white for work lighting to a warmer white more conducive to relaxation. The 10 mm wide strip is ideal for delicate LED profiles, and its 180° beam angle ensures excellent light distribution without shadows. A continuous phosphor layer protects the LEDs from dust and moisture; contact points are IP20 rated. Extending the base kit is easy with a suitable individual strip.

# MaxLED 500 Full-Line COB

## Homogenes LED-Licht



Image 1.1: Example of MaxLED 500 Full-Line COB strip lighting in a living room setting, highlighting homogeneous LED light and a 180° beam angle for better illumination.

## 2. PACKAGE CONTENTS

The Paulmann MaxLED 500 Strip LED Full-Line COB Base Kit includes the following components:

- 1x MaxLED 500 Full-Line COB LED Strip (3m length, 15W, 640 LEDs/m)
- 1x 5-pin adapter for connecting to MaxLED accessories
- 1x Power supply unit (36VA)
- 1x Remote control
- Instruction Manual



Image 2.1: Overview of the MaxLED 500 Full-Line COB Basic Set, showing the product packaging and all components: the LED strip, remote control, power supply, and connection cables.



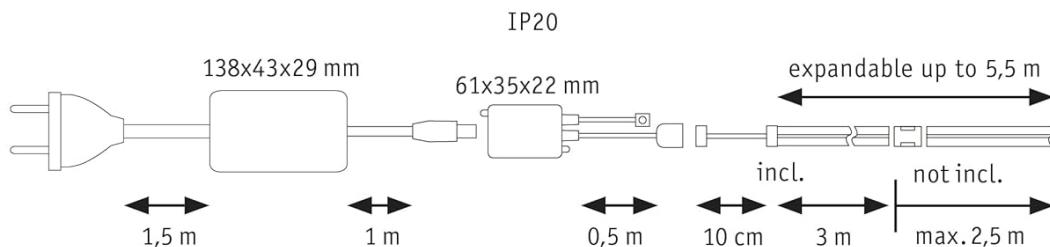
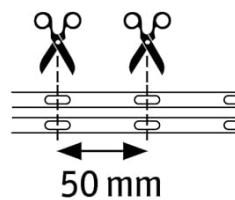
## Inhalt content contenu :

1x

⌚ 2,3 mm  
↔ 300 cm  
↗ 10 mm



P = 20 W



5 Jahre Year Ans  
Jaar Años Anños  
**Garantie**

Image 2.2: Detailed diagram illustrating the contents and dimensions of the MaxLED 500 kit, including the power supply, controller, and the 3-meter LED strip, which is 10mm wide and 2.3mm thick.

### 3. SETUP AND INSTALLATION

Follow these steps to set up your MaxLED 500 Strip LED:

- 1. Prepare the Surface:** Ensure the installation surface is clean, dry, and smooth for optimal adhesion of the LED strip.
- 2. Measure and Cut (if necessary):** The LED strip can be cut every 2.5 cm at designated marks. Use sharp scissors for a clean cut. **Warning:** Cutting at non-marked points will damage the strip.
- 3. Attach the Strip:** Remove the protective backing from the adhesive tape on the back of the LED strip. Carefully press the strip onto the desired surface.
- 4. Connect Components:**
  - Connect the 5-pin adapter to the end of the LED strip.
  - Connect the adapter to the controller.
  - Connect the controller to the power supply unit.

- Plug the power supply unit into a standard electrical outlet.

5. **Extension (Optional):** The base kit can be extended with additional individual strips up to a maximum length of 5.5 meters. Ensure compatibility with MaxLED accessories and control components.

# MaxLED 500 Full-Line COB

## Homogenes LED-Licht

Rückseitiges Klebeband



640 LEDs/m



Kürzbar alle 2,5 cm



Leicht zu verbinden



Image 3.1: Key features for setup, including the adhesive backing, high LED density (640 LEDs/m), cuttable sections every 2.5 cm, and the easy-to-connect plug system.

## 4. OPERATING INSTRUCTIONS

The MaxLED 500 Strip LED is controlled via the included remote control. Ensure the power supply is connected and the strip is properly installed.

### 4.1 Remote Control Functions

The remote control allows you to:

- **Power On/Off:** Turn the LED strip on or off.
- **Brightness Adjustment:** Increase or decrease the light intensity.

- **Tunable White Control:** Adjust the color temperature from cool daylight white (for work) to warm white (for relaxation).
- **Scene Selection:** Pre-programmed lighting modes (if available on your specific remote).



Image 4.1: The MaxLED 500 kit components, including the remote control used for operating the LED strip's power, brightness, and Tunable White features.

## 4.2 Tunable White Functionality

Utilize the Tunable White feature to adapt the lighting to your needs:

- For focused work or tasks requiring high alertness, select a cooler, daylight white.
- For creating a cozy or relaxing atmosphere, choose a warmer white.

The remote control will have dedicated buttons or a slider for adjusting the color temperature.

## 5. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your MaxLED 500 Strip LED, follow these maintenance guidelines:

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to gently wipe the LED strip. Do not use abrasive cleaners, solvents, or excessive moisture, as this can damage the strip and its IP20 rated contact points.
- **Dust Protection:** The continuous phosphor layer helps protect the LEDs from dust. Regular gentle cleaning will maintain light output.

- **Environmental Conditions:** This product is designed for indoor use. Avoid exposing the strip to extreme temperatures, direct water spray, or high humidity, which are beyond its IP20 rating for contact points.
- **Light Source:** The LED light source is not replaceable. If the light source fails, the entire luminaire must be replaced.
- **Controller:** The controller can be replaced by the end-user without damaging the luminaire.

## 6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
LED strip does not light up.	<ul style="list-style-type: none"> <li>• No power supply.</li> <li>• Loose connection.</li> <li>• Faulty power supply or controller.</li> </ul>	<ul style="list-style-type: none"> <li>• Check if the power plug is securely inserted into the outlet.</li> <li>• Ensure all connections (strip to adapter, adapter to controller, controller to power supply) are firm.</li> <li>• Test the outlet with another device. If the issue persists, contact customer support.</li> </ul>
Remote control is not working.	<ul style="list-style-type: none"> <li>• Dead battery in remote.</li> <li>• Obstruction between remote and receiver.</li> <li>• Remote not paired (if applicable).</li> </ul>	<ul style="list-style-type: none"> <li>• Replace the battery in the remote control.</li> <li>• Ensure a clear line of sight between the remote and the LED strip's receiver.</li> <li>• Refer to the remote control's specific instructions for pairing procedures, if necessary.</li> </ul>
Inconsistent light or flickering.	<ul style="list-style-type: none"> <li>• Loose connection.</li> <li>• Damaged strip section.</li> </ul>	<ul style="list-style-type: none"> <li>• Check all connections for tightness.</li> <li>• If a section of the strip is damaged, it may need replacement.</li> </ul>

If the problem persists after trying these solutions, please contact Paulmann customer support.

## 7. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Paulmann
Model Number	71111
Product Dimensions (L x W x H)	300 x 1 x 0.22 cm (3m x 10mm x 2.2mm); 407 grams
Style	Base Kit
Color	Silver
Material	Plastic
Number of LEDs	640 LEDs/meter
Components Included	Remote Control, Assembly Instructions
Voltage	230 Volts

Feature	Specification
Special Features	Energy Efficiency, Tunable White
Power Source	AC/DC
Batteries Required	Yes (for remote control)
Bulb Type	LED (COB Full-Line)
Wattage	15 Watts
Color Temperature	2700 Kelvin (Tunable White range from warm to daylight white)
Item Weight	407 g
Ingress Protection (Contact Points)	IP20
Beam Angle	180°
Max. Extendable Length	Up to 5.5 meters

## 8. WARRANTY AND SUPPORT

Paulmann provides a 5-year warranty for this product. Please refer to the warranty card included in your package or visit the official Paulmann website for detailed warranty terms and conditions.

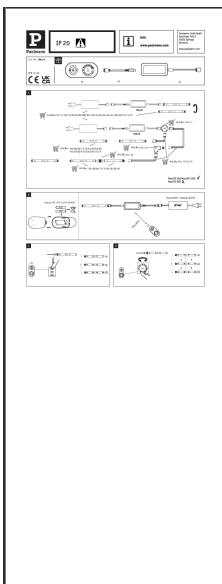
For technical support, troubleshooting assistance, or inquiries regarding replacement parts, please contact Paulmann customer service. Contact information can typically be found on the product packaging or the official Paulmann website.

**Note on Light Source:** The light source in this luminaire is not replaceable. When the light source reaches its end of life, the entire luminaire must be replaced. The controller, however, can be replaced by the end-user without damaging the luminaire.

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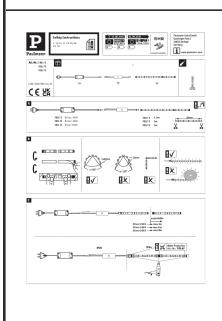
This manual is for informational purposes only. Paulmann reserves the right to make changes to product specifications without prior notice.

## Related Documents - 71111



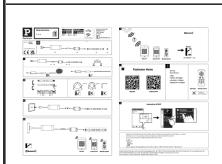
#### [Paulmann MaxLED 706.19 LED Strip Controller Installation and Operation Guide](#)

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.



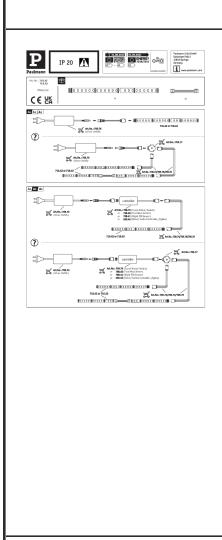
#### [Paulmann LED-Streifenbeleuchtung: Sicherheit, Installation und technische Informationen](#)

Umfassender Leitfaden für Paulmann LED-Streifen, Artikelnummern 788.71, 788.72, 788.73, einschließlich Sicherheitshinweisen, Energieeffizienz, Installationsdetails und technischen Spezifikationen. Enthält mehrsprachige Supportinformationen.



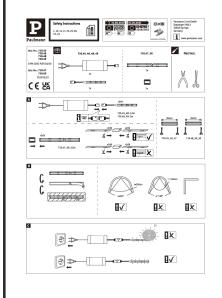
#### [Paulmann MaxLED 500 LED Strip Smart Home Bluetooth Installation Guide](#)

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.



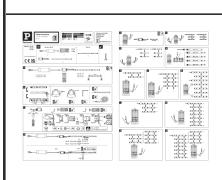
#### [Paulmann MaxLED 500 LED Strip System Installation and Component Guide](#)

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.

