Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

PAUTIX R-SWW480W24-COB-5M-3000K

PAUTIX COB LED Strip Lights with RF Remote

Model: R-SWW480W24-COB-5M-3000K

1. Introduction

Thank you for choosing PAUTIX COB LED Strip Lights. This manual provides essential information for the safe installation, operation, and maintenance of your new LED strip lighting system. This product features a 16.4ft (5m) 3000K warm white COB LED strip, an RF remote control for dimming and timer functions, and a 24V power supply, designed for indoor use.



Image 1.1: PAUTIX COB LED Strip Light installed in a living room, showcasing its uniform illumination.

2. What's in the Box

Please check the package contents carefully. If any items are missing or damaged, contact PAUTIX customer support.

- 1 x 16.4ft/5m PAUTIX 24V COB LED Strip Light (3000K Warm White)
- 1 x RF Remote Control / Controller
- 1 x DC24V 2A 48W Power Supply
- 1 x User Manual

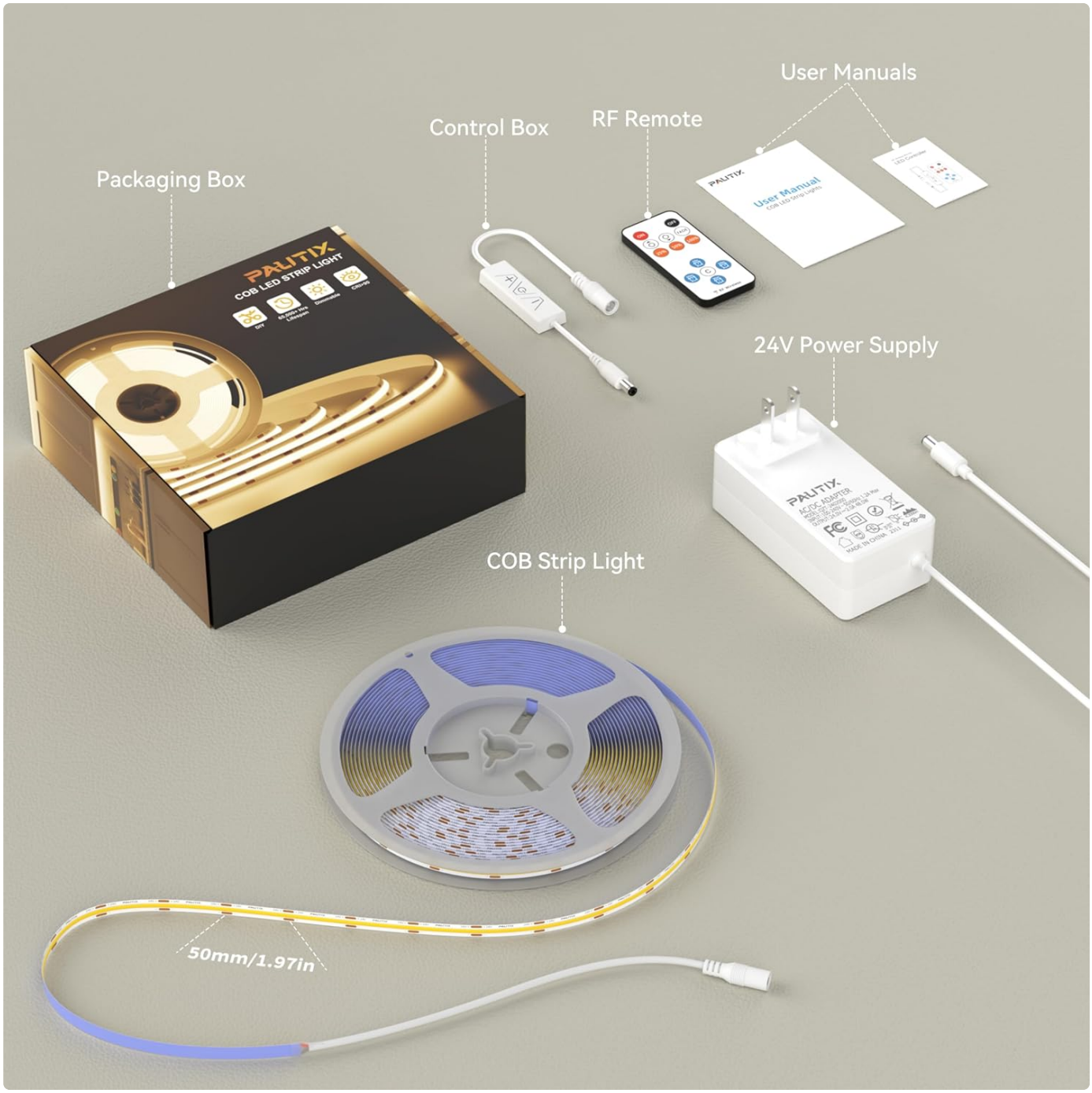


Image 2.1: All components included in the PAUTIX COB LED Strip Light package: packaging box, COB strip light, control box, RF remote, 24V power supply, and user manuals.

3. Product Features

- **Brighter, Lower Voltage Drop:** 24V system with 480 LEDs/m (total 2400 LEDs) for uniform, dotless illumination and high brightness.
- **High Color Rendering:** CRI 93+ ensures accurate and vibrant color representation.
- **UL Listed & Lead-Free Materials:** Designed for safety and environmental responsibility.
- **Dimmable with RF Remote Control:** 13-key RF remote offers 360° control within 99ft (30m), 3-level dimming (25%, 50%, 100%), and four timer settings.
- **Memory Function:** Retains the last brightness setting when powered off and on.
- **Flexible & Easy to DIY:** Can be cut every 50mm (1.97in) and reconnected (connectors sold separately). Ultra-thin PCB allows for bending and shaping.
- **Durable Design:** True double-layer PCB for enhanced resistance to damage and deformation.



Image 3.1: Comparison showing high color reduction (Ra 98+) with PAUTIX lights versus lower brightness (Ra 80) and color distortion.

4. Safety Information

- This product is **UL Listed**, ensuring it meets recognized safety standards.
- Operates on **24V low voltage**, reducing the risk of electric shock.
- Constructed with **lead-free materials** for environmental safety and health protection.
- For **indoor use only**. Do not expose to water or high humidity.
- Ensure the power supply is disconnected before installation or maintenance.
- Do not cover the LED strip with materials that may impede heat dissipation.

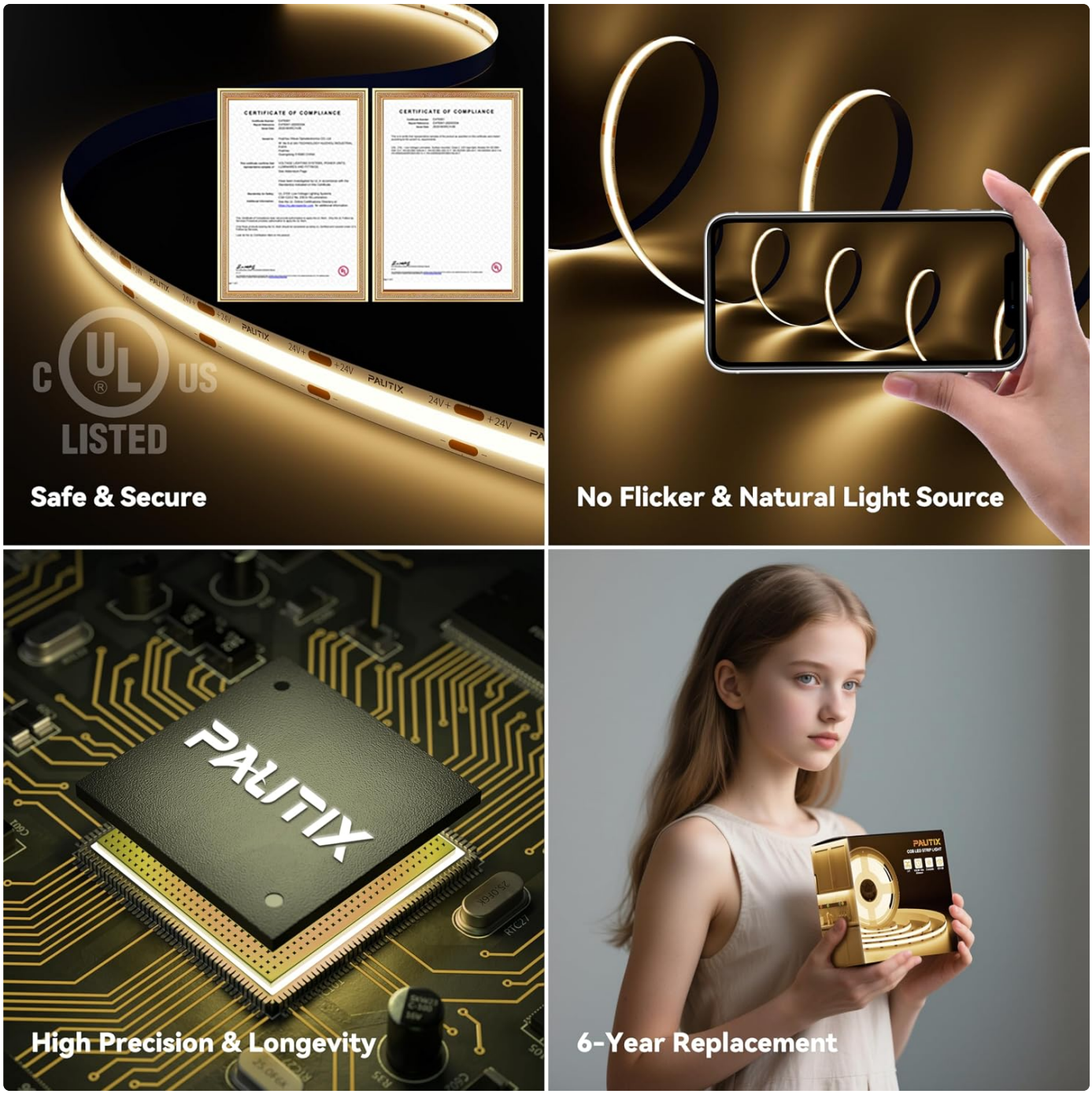


Image 4.1: Features highlighting safety (UL Listed), natural light source (no flicker), high precision, and a 6-year replacement warranty.

5. Setup and Installation Guide

1. **Prepare the Surface:** Ensure the installation surface is clean, dry, and smooth. Wipe it thoroughly to remove any dust or grease.
2. **Measure and Cut (if needed):** Measure the desired length for your installation. The LED strip can be cut every 50mm (1.97in) along the designated copper marks. Use sharp scissors for a clean cut.
3. **Apply the Strip:** Peel off the backing paper from the double-sided adhesive tape on the back of the LED strip. Carefully press the strip onto the prepared surface, ensuring firm contact along its entire length.
4. **Connect the Controller:** Plug the LED strip's connector into the control box. Ensure the connection is secure.
5. **Connect the Power Supply:** Plug the control box into the DC24V power supply. Then, plug the power supply into a standard electrical outlet.

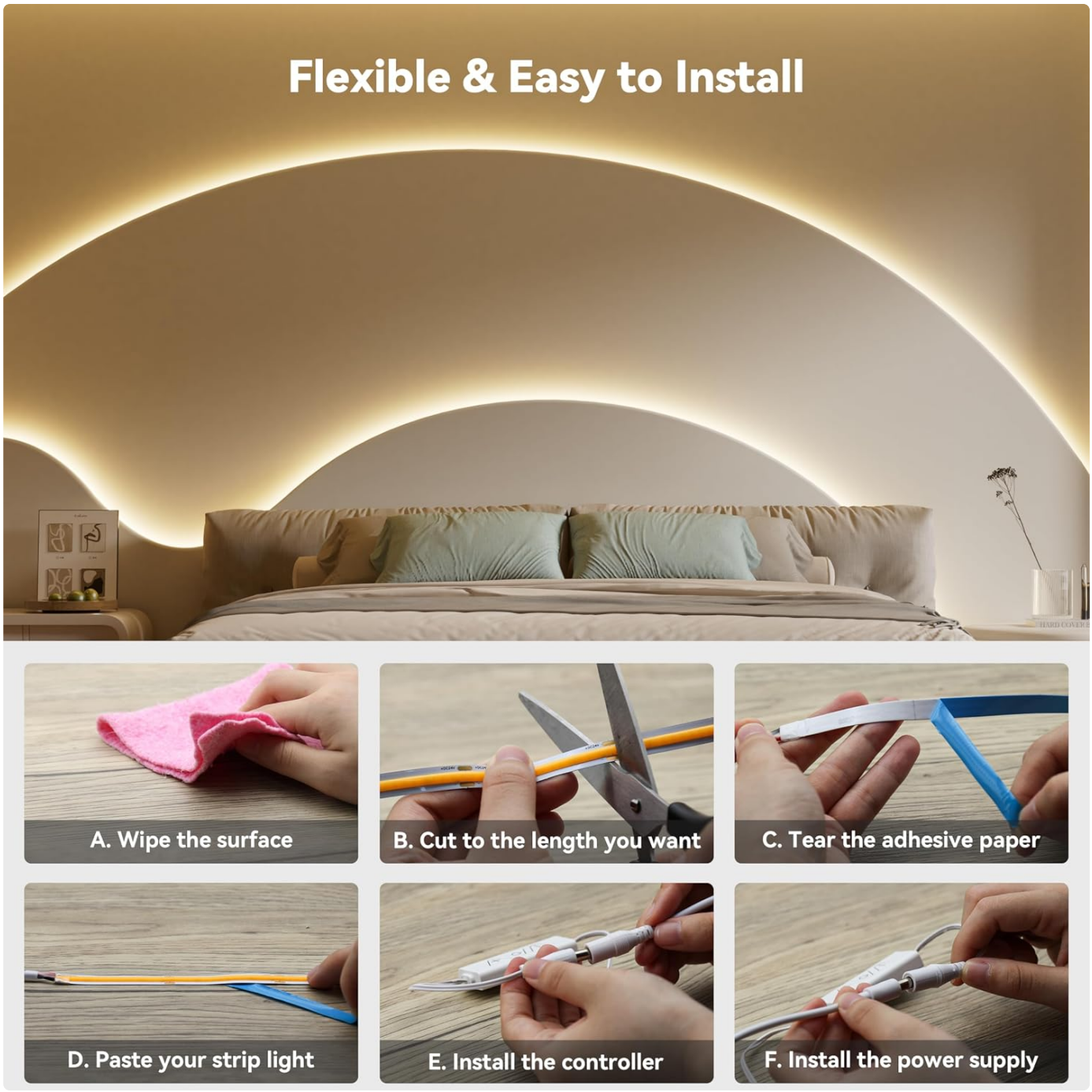


Image 5.1: Visual guide for installation: A. Wipe surface, B. Cut to length, C. Tear adhesive paper, D. Paste strip light, E. Install controller, F. Install power supply.



Image 5.2: Connection diagram showing the COB strip light connected to the control box, which then connects to the 24V power supply. The RF remote is shown separately.

6. Operating Instructions

6.1 RF Remote Control Functions

The 13-key RF remote allows for comprehensive control of your LED strip lights.

- **ON/OFF:** Power the lights on or off.
- **Brightness Up/Down:** Adjust the brightness incrementally.
- **FADE Mode:** Smoothly transitions between brightness levels.
- **Brightness Settings (25%, 50%, 100%):** Quickly set the light to predefined brightness levels.
- **Timer Functions (60s, 10m, 30m, 60m):** Set the lights to automatically turn off after a specified duration.
- **Cancel Timing Function (C):** Deactivates any active timer setting.

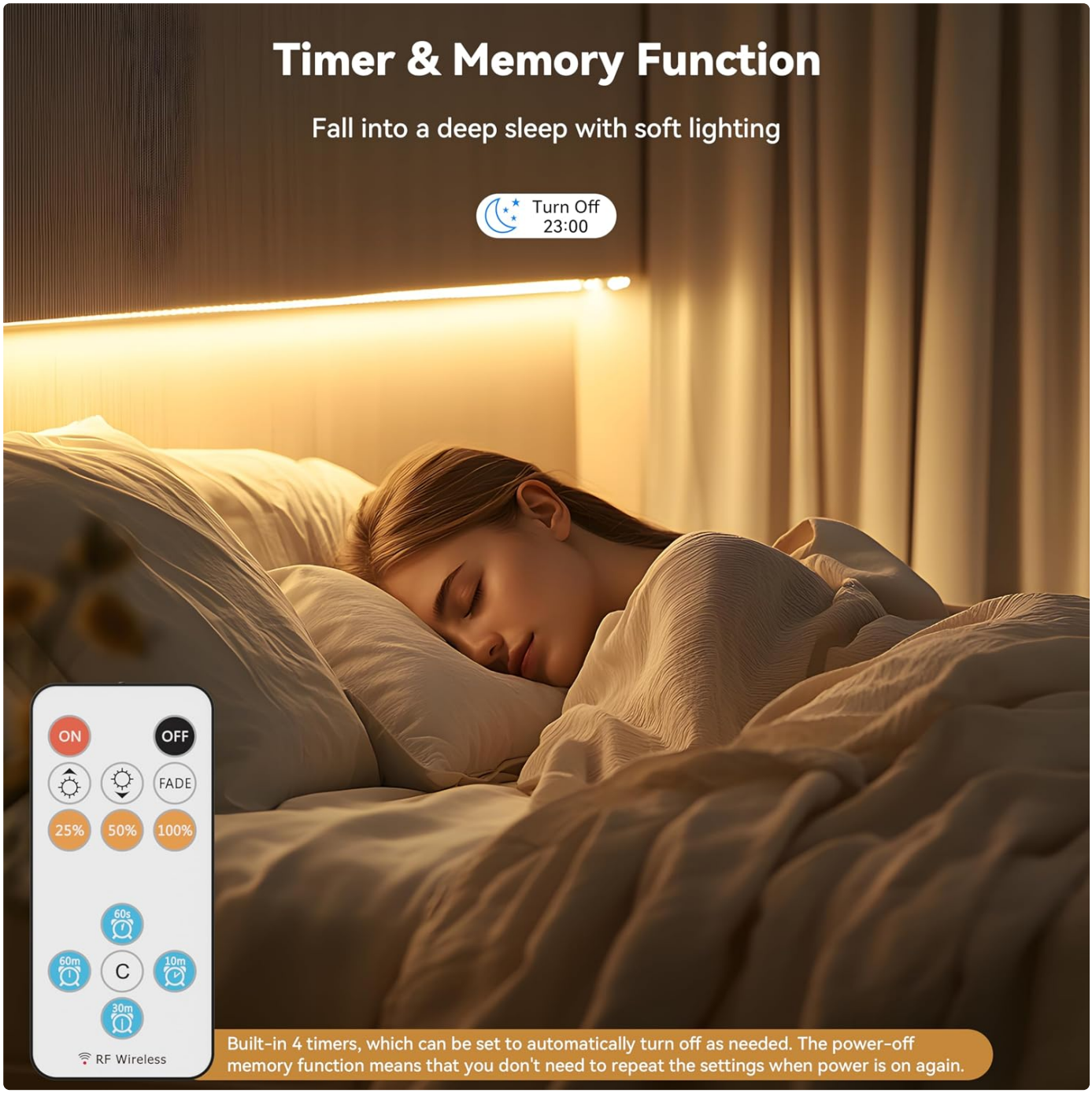


Image 6.1: The RF remote control showing timer settings (60s, 10m, 30m, 60m) and brightness presets (25%, 50%, 100%).



Image 6.2: Detailed diagram of the RF remote control buttons and their corresponding functions, including ON/OFF, brightness adjustment, fade mode, brightness presets, timer settings, and timer cancellation.

6.2 Dimming Function

The lights are fully dimmable from 0% to 100%. Use the brightness up/down buttons or the 25%, 50%, 100% presets on the remote to adjust the light output to your preference.



Image 6.3: Visual representation of the dimming capability, showing light levels from 10% to 100% brightness in a living room setting.

6.3 Memory Function

The controller features a memory function. When the lights are turned off and then back on, they will resume the last brightness setting used, eliminating the need to reset your preferred level each time.

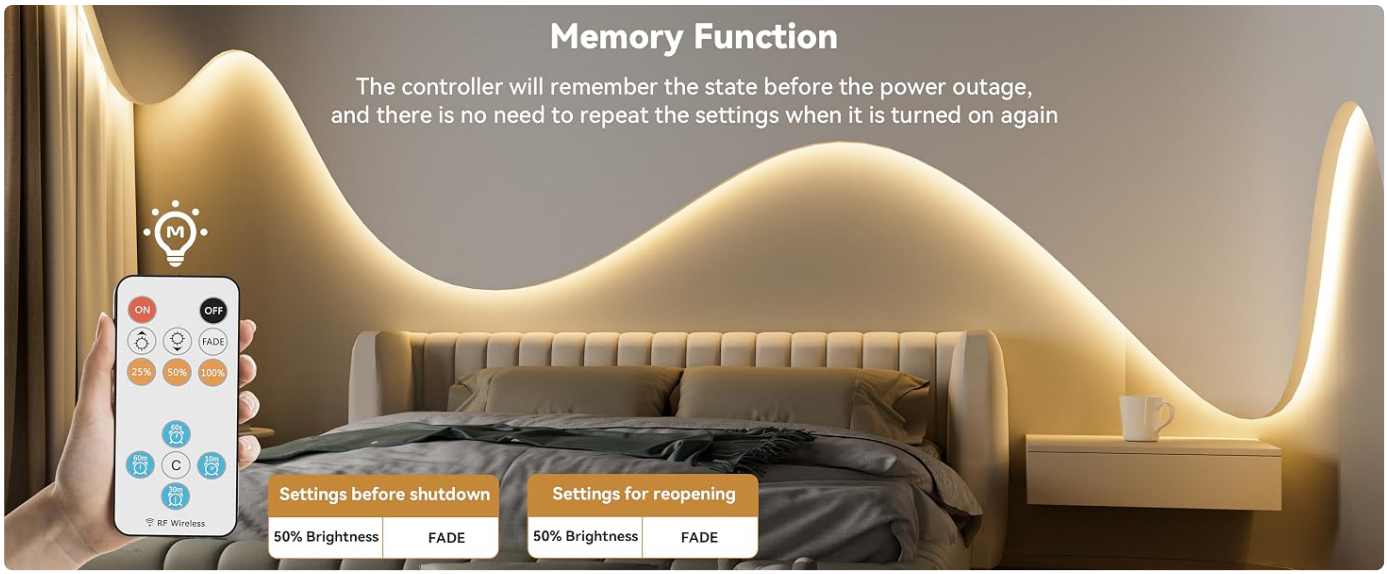


Image 6.4: Illustration of the memory function, showing that the light settings (e.g., 50% brightness) are retained after shutdown and upon reopening.

7. Maintenance

- **Cleaning:** Ensure the power is off before cleaning. Gently wipe the LED strip with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Water Exposure:** This product is not water-resistant (IP30 rated). Avoid exposure to water, moisture, or high humidity.
- **Inspection:** Periodically check the strip for any signs of damage or loose connections.

8. Troubleshooting

- **Lights Not Turning On:**
  - Check if the power supply is securely plugged into the outlet and the control box.
  - Ensure all connections between the strip, controller, and power supply are firm.
  - Verify the power outlet is functional.
- **Remote Not Responding:**
  - Ensure the remote is within the operating range (99ft/30m) and not obstructed.
  - Check if the remote's battery needs replacement (if applicable, though this remote typically uses a long-life button cell).
- **Lights Flickering:**
  - Ensure the power supply is adequate and stable.
  - Check for loose connections.

9. Specifications

Feature	Detail
Model Number	R-SWW480W24-COB-5M-3000K

Light Color	3000K Warm White
Length	16.4 feet (5 meters)
LEDs per Meter	480 LEDs/m (Total 2400 LEDs)
Voltage	24V DC
Wattage	36 Watts
White Brightness	4000 Lumens
Color Rendering Index (CRI)	93+
Beam Angle	180 degrees
Cuttable Interval	Every 50mm (1.97in)
Control Method	RF Remote Control
Ingress Protection (IP) Rating	IP30 (Not Water Resistant)
Certifications	UL Listed

10. Warranty and Support

PAUTIX provides a **6-year warranty service** for this product. If you encounter any issues while using the product, please contact PAUTIX customer support promptly. We are committed to providing professional guidance and satisfactory solutions.
For support, please refer to the contact information provided on the product packaging or visit the official PAUTIX website.

© 2023 PAUTIX. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0BCTL11LW

More documents and user manuals: **https://manuals.plus/**