

ASAHOM S108B

ASAHOM Permanent Outdoor Light Pro S108B User Manual

Model: S108B (100FT White)

1. INTRODUCTION

Thank you for choosing the ASAHOM Permanent Outdoor Light Pro S108B. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new outdoor lighting system. Please read this manual thoroughly before installation and retain it for future reference.



Image 1.1: ASAHOM Permanent Outdoor Light Pro S108B 100FT product overview, showing the packaging, control box, light string, and a smartphone displaying the control app.

2. SAFETY INFORMATION

Always follow basic safety precautions when installing and operating electrical products to reduce the risk of fire, electric shock, and personal injury.

- Ensure the power supply is disconnected before installation or maintenance.
- Do not immerse the power adapter in water.
- Use only the provided power adapter and components.
- Avoid installing lights near heat sources or in areas with excessive vibration.
- Do not attempt to repair or modify the product. Contact customer support for assistance.
- Ensure all connections are secure and waterproofed as instructed.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- Power adapter x 1

- 6ft Power extension cord x 1
 - Control Box x 1
 - 5m (12 LEDs) string section x 4
 - 2.5m (6 LEDs) string section x 3
 - 0.42m (1 LED) string section x 6
 - 6ft Light string extension cord x 1
 - 3ft light string extension cord x 2
 - Fault detection module x 1
 - Wire clips x 30
 - Screw pack x 9
 - Adhesive backing x 6
 - Waterproof junction box x 2
 - End cap x 2
 - Mounting ruler x 1
 - User manual x 1
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ASAHOM S108B-W

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|------------------------------------|--|---------------------------------|
| 1 Power adapter x 1, | 6 0.42m(1 LED) string section x 6, | 11 Screw pack x 9, |
| 2 6ft Power extension cord x 1, | 7 6ft Light string extension cord x 1, | 12 Adhesive backing x 6, |
| 3 Control Box x 1, | 8 3ft light string extension cord x 2, | 13 Waterproof junction box x 2, |
| 4 5m(12 LEDs) string section x 4, | 9 Fault detection module x 1, | 14 End cap x 2, |
| 5 2.5m(6 LEDs) string section x 3, | 10 Wire clips x 30, | 15 Mounting ruler x 1, |
| | | 16 User manual x 1, |



Image 3.1: All components of the ASAHOM S108B-W 100FT kit, clearly labeled with numbers corresponding to the package contents list.

4. PRODUCT FEATURES

The ASAHOM Permanent Outdoor Light Pro S108B offers advanced lighting capabilities and robust design:

- **Enhanced RGBCW LEDs:** Features 72 upgraded RGBCW LEDs (Red, Green, Blue, Cool White, Warm White) with 70lm per LED, providing vibrant colors and tunable white light (2700K-6500K).
- **AI Lighting:** Utilizes intelligent AIGC lighting for effortless ambiance creation via the app.
- **Extensive Lighting Effects:** Over 30,000 lighting effect combinations with 289 color palettes and 142 effects.

- **WLED Integration:** First permanent outdoor lights with integrated WLED for advanced DIY lighting effects.
- **Dual Output:** Control box with dual output for flexible installation on complex rooflines.
- **Cuttable & Splicable:** Lights can be cut to desired lengths and spliced using included connectors and junction boxes. Extendable up to 800ft.
- **Year-Round Durability:** IP67 waterproof rating for lights, control box, and adapter. Anti-UV material withstands temperatures from -4°F to 113°F (-20°C to 45°C).
- **Smart Control:** Compatible with ASAHOM App, Alexa, and Google Assistant for voice control, timer settings, and various lighting modes.



Image 4.1: Illustration of the innovative 5-in-1 RGB+WW+CW LED beads, showing cool white, RGB, and warm white light components.

5. INSTALLATION GUIDE

Follow these steps for proper installation of your ASAHOM Permanent Outdoor Lights.

5.1 Planning Your Layout

Before installation, plan the light string layout on your desired surface. Use the included mounting ruler to determine optimal spacing. Consider the dual output feature for complex rooflines.

5.2 Mounting the Lights

1. Clean the installation surface thoroughly to ensure proper adhesion.
2. Attach the adhesive backing to the back of each light module.
3. Press each light module firmly onto the desired surface.
4. For long-term security, use the included screws to fasten each light module through its pre-drilled holes.
5. Secure the wiring with wire clips as needed to maintain a neat appearance.



Image 5.1: The light modules can be securely mounted on various surfaces such as fiber cement, wood, vinyl, and metal.

5.3 Connecting Components

Connect the light string sections to the control box and then to the power adapter. Ensure all connections are

tight and secure. Use the waterproof junction boxes for any splices or connections exposed to the elements.



Image 5.2: A detailed wiring diagram illustrating the connection of light strings, control box, and power adapter, including options for extending the system.

5.4 Cutting and Splicing (Optional)

If a custom length is required, the light string can be cut. Use the included wire connector and waterproof junction box to splice the lights. Ensure proper sealing to maintain IP67 rating.

Free to DIY

Adapt to any complex structure house

Dual Output

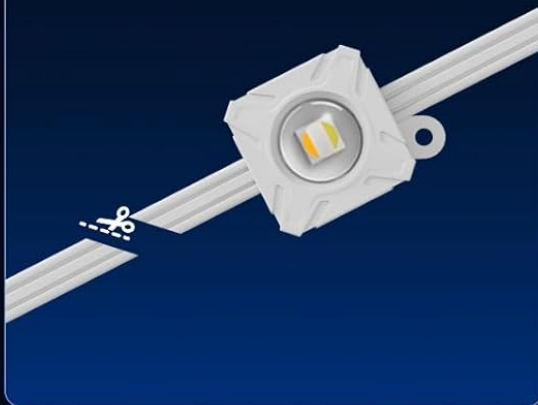


T-Splitter



Under 150ft set both don't include T-splitter: BOFFMD61GB, available in our store

Cuttable



Extendable

Max.800ft

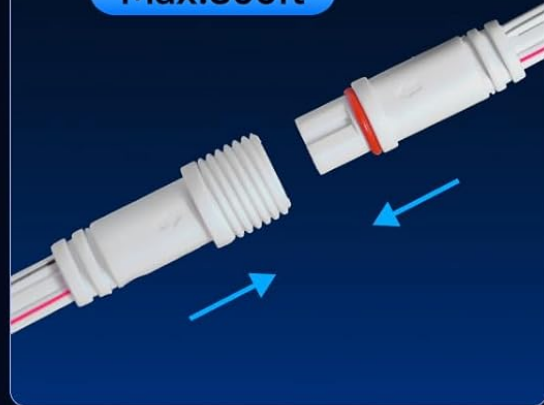


Image 5.3: The light string features dual output, is cuttable, splicable with waterproof end caps, and extendable up to 800ft. A T-splitter is available for complex layouts.

6. OPERATING INSTRUCTIONS

Control your ASAHOM Permanent Outdoor Lights using the dedicated app or voice commands.

6.1 ASAHOM App Control

1. Download the ASAHOM App from your smartphone's app store.
2. Follow the in-app instructions to pair your lights with the app.
3. Use the app to:

- Independently control each light.
- Adjust warm white and cold white lights.
- Set timers and schedules.
- Cycle through various lighting effects and control speed.
- Set light sequences and utilize 23 music modes.
- Access AI Lighting for ambiance generation.

4. It is recommended to upgrade to the latest firmware via the app for optimal performance.

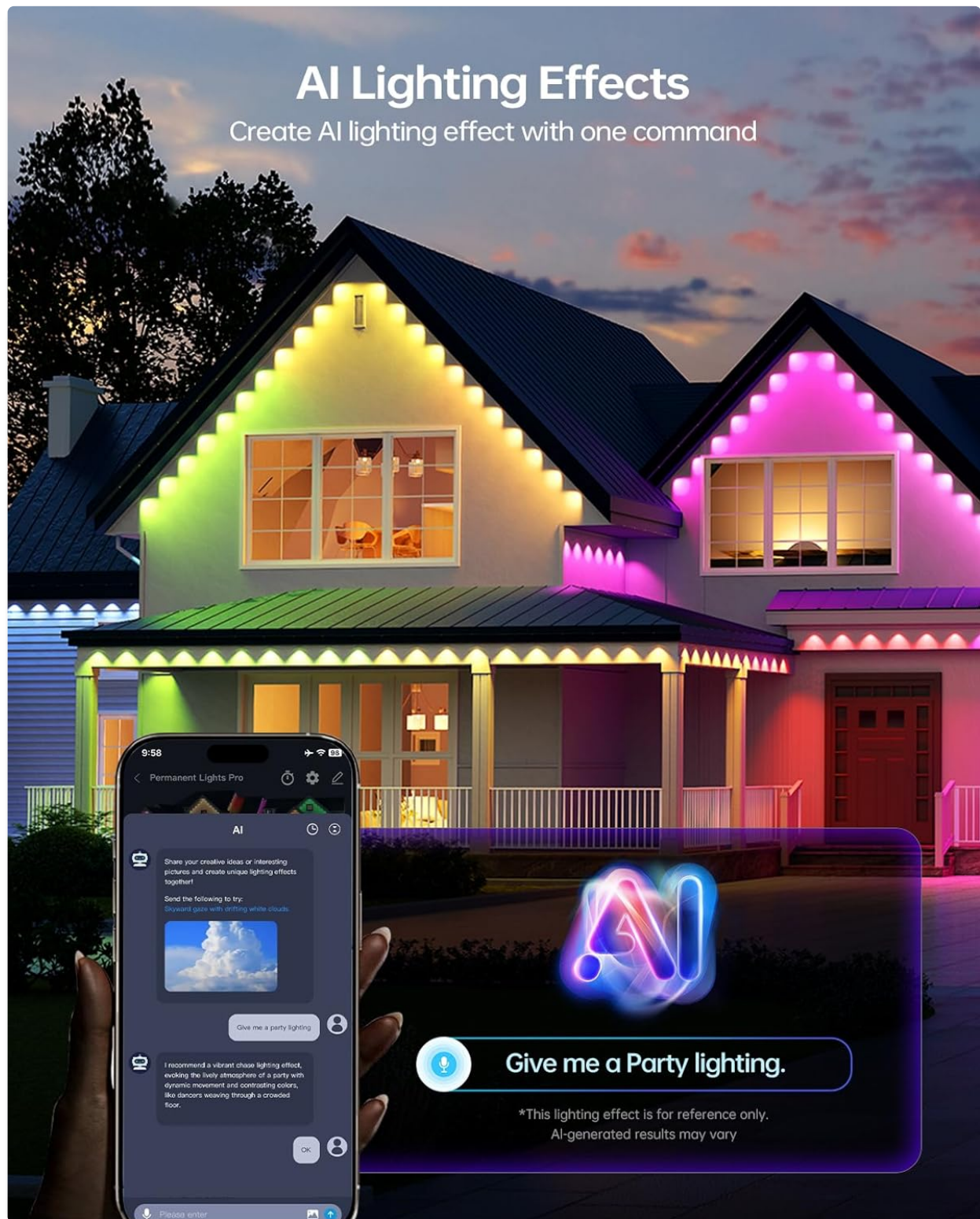


Image 6.1: The ASAHOM app's AI Lighting feature allows users to create lighting effects with simple commands, such as "Give me a Party lighting."

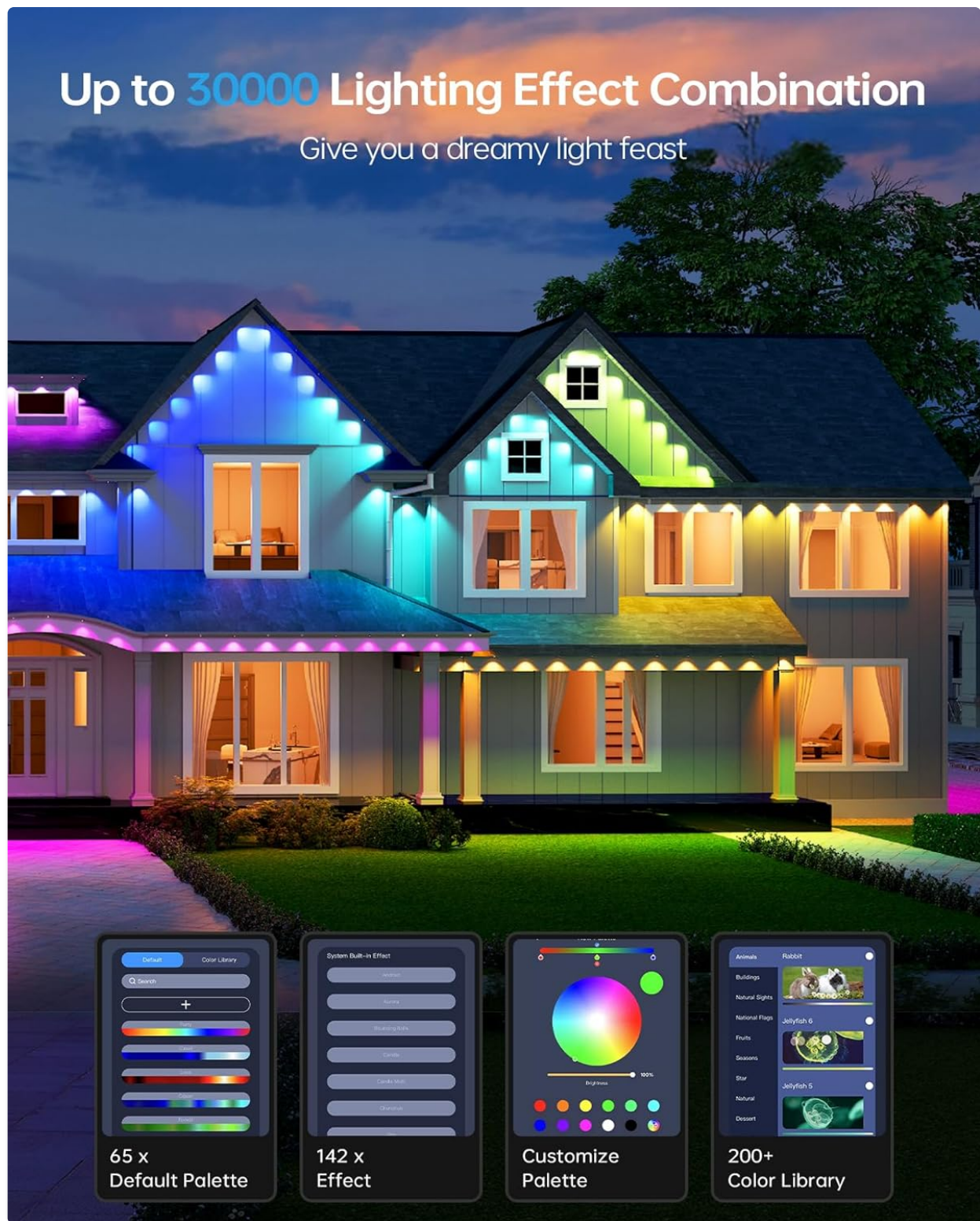


Image 6.2: The ASAHOM app provides extensive customization options, including 65 default palettes, 142 effects, and a color library for creating over 30,000 lighting effect combinations.

6.2 Voice Control

Pair your lights with Amazon Alexa or Google Assistant for convenient voice control. Refer to the respective smart home app for pairing instructions.

6.3 WLED Integration

To enter WLED mode:

- Long press the 'B' button on the control box for approximately 10 seconds, OR
- Activate the WLED button via the ASAHOM app.

Once in WLED mode, search for the Wi-Fi network named "WLED-AP" and connect using the default password: **wled1234**. This allows for advanced DIY lighting effects.



Image 6.3: The WLED integration feature allows for advanced customization of lighting effects directly through the ASAHOME app.

7. MAINTENANCE

The ASAHOME Permanent Outdoor Lights are designed for year-round durability with minimal maintenance.

- **Cleaning:** Periodically wipe the light modules and cables with a soft, damp cloth to remove dirt and debris. Do not use harsh chemicals.

- **Inspection:** Regularly inspect the cables and connections for any signs of wear, damage, or loose connections. Ensure all waterproof seals are intact.
- **Environmental Resistance:** The IP67 rating ensures protection against dust and water immersion. The anti-UV material and wide operating temperature range (-4°F to 113°F) contribute to long-term performance in various weather conditions.



Image 7.1: The lights are built for harsh environments, featuring anti-UV materials, a 50,000-hour lifespan, and operation in temperatures from -4°F to 113°F. All components are IP67 waterproof.

8. TROUBLESHOOTING

If you encounter issues with your ASAHOM Permanent Outdoor Lights, refer to the following common

solutions:

- **Lights not turning on:**
 - Check all power connections to ensure they are secure.
 - Verify the power adapter is plugged into a working outlet.
 - Ensure the control box is properly connected to the light strings and power.
- **Lights not responding to app/voice control:**
 - Confirm your smartphone is connected to the internet and Bluetooth/Wi-Fi is enabled.
 - Ensure the lights are within range of your Wi-Fi router.
 - Restart the ASAHOM App.
 - Unplug the power adapter for 10 seconds and plug it back in to reset the lights.
 - Check for available firmware updates in the ASAHOM App.
- **Wi-Fi connectivity issues:**
 - Ensure your Wi-Fi network is 2.4GHz. The lights may not connect to 5GHz networks.
 - Move the control box closer to your Wi-Fi router or consider a Wi-Fi extender if signal strength is weak.
 - Temporarily disable other devices on your 2.4GHz network to reduce interference during setup.
- **Fault detection:** Use the included fault detection module to identify specific problematic light sections if a segment fails to illuminate.

9. SPECIFICATIONS

Attribute	Specification
Model Number	S108B
Light Source Type	RGBCW LED (5-in-1)
Number of LEDs	72 (for 100FT model)
Brightness per LED	70 Lumens
Total Brightness	5040 Lumens
Color Temperature	2700K - 6500K
Power Source	Corded Electric
Voltage	120 Volts (AC)
Wattage	72 Watts
Material	Plastic
Waterproof Rating	IP67 (Lights, Control Box, Adapter)
Operating Temperature	-4°F to 113°F (-20°C to 45°C)
Max. Extension Length	800ft

Special Features

Color Changing, Dimmable, Linkable, Timer, Waterproof, WLED Integration, AI Lighting



Image 9.1: Dimensional specifications for the light string and individual LED modules, along with power input details.

10. WARRANTY AND SUPPORT

ASAHOM is committed to providing long-term support for its products. Every module and accessory for the Permanent Outdoor Light Pro S108B has a replacement version available to ensure your lighting system remains functional for years.

For technical assistance, replacement parts, or warranty inquiries, please contact ASAHOM customer support through the official website or your purchase platform.

All Parts Replaceable

Every component has a Matching Replacement Kit available

****Different sizes of set include different accessories****

Power Supply



Search: B0FFMJKGV1

Control Box



Search: B0FFMPFFKX

Power Extension Cord



Coming Soon...

Extension Lights



Search: B0FFMTKZH8

Power Injection Kit



NOT INCLUDE IN THIS KIT

Search: B0FLBZSC45

T-Splitter



NOT INCLUDE IN THIS KIT

Search: B0FFMD61GB

Extension Cord



Search: B0FFH2THDP

Screw Clips & Sticker Pack



Search: B0FLCFM67C

Waterproof Junction Box



Search: B0FP96P8N9

End Cap



Search: B0FL6QHD7P

Fault Detection Module



Search: B0FFM29H69










Image 10.1: A visual guide to the replaceable components of the ASAHOM S108B system, highlighting the availability of individual parts for maintenance and repair.

Related Documents - S108B



[ASAHOM Quick Start Guide: Installing Outdoor String Lights](#)

Concise guide for installing ASAHOM permanent outdoor string lights, covering setup, connection, and mounting for optimal lighting effects. Includes safety tips and extension information.

 	<p>ASAHOM Permanent Outdoor Lights Pro - Quick Start Guide & Troubleshooting</p> <p>Get started with your ASAHOM Permanent Outdoor Lights Pro. This guide provides quick start instructions, troubleshooting tips, and information on connecting to the ASAHOM App.</p>
	<p>ASAHOM S1020 LED Bulb String Lights: User Manual & Setup Guide</p> <p>Learn how to set up and use your ASAHOM S1020 LED Bulb String Lights. This guide covers installation, pairing with the Tuya Smart app, troubleshooting, and specifications for these IP65 rated outdoor lights.</p>
 	<p>ASAHOM S1050 Series Permanent Outdoor Lights User Manual</p> <p>Comprehensive user manual for ASAHOM S1050 Series Permanent Outdoor Lights, detailing installation, Smart Life app setup, remote control functions, troubleshooting, and specifications for models S105A, S105B, S105C, and S105D.</p>
 	<p>ASAHOM S1023 LED String Lights User Manual</p> <p>User manual for the ASAHOM S1023 LED String Lights, covering introduction, installation, app pairing, color adjustment, troubleshooting, specifications, compliance information, and environmentally friendly disposal. Features IP65 water resistance and Bluetooth app control.</p>
 	<p>ASAHOM LED Bulb String Lights User Manual - Model S1025</p> <p>User manual for ASAHOM LED Bulb String Lights (Model S1025). Provides instructions on setup, pairing with the Smart Life app, color adjustment, troubleshooting common issues, and technical specifications. Features IP65 water resistance for outdoor use.</p>



[pdf] SAR Rating

User LCSC06205009EC RF Exposure Report FCC Shenzhen Shimu Technology Co Ltd S1080

Permanent Outdoor lights Pro 2A4O2 2A4O2S1080 s1080

Page 1 of 12 FCC ID:2A4O2-S1080 Report No.: LCSC06205009EC RF Exposure

Evaluation For Shenzhen Sh ... Description Exposure category EUT Type Device

Type : Permanent Outdoor lights Pro : S108F : S108A, **S108B**, S108C, S108D,

S108E : The internal circuits and structures of all models are exactly the same...

lang:en score:19 filesize: 488.42 K page_count: 12 document date: 2025-07-31



[pdf] Test Report

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Page 1 of 38 FCC ID: 2A4O2-S1080 Report No.: LCSC06205009EA FCC TEST

REPORT For Shenzhen Shimu Te ... Channel Number Modulation Type Antenna

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