Lumary EU-SI56B-1

Lumary Smart LED String Light 16.5m with Remote Control

Model: EU-SI56B-1

Introduction	Safety Instructions	Package Contents	Setup	Operating Instructions
Maintenance	Troubleshooting	Specifications		Warranty & Support

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Lumary Smart LED String Light. Please read it thoroughly before installation and operation, and retain it for future reference.

Figure 1: Lumary Smart String Light product packaging and components.

2. Safety Instructions

- Ensure the power supply voltage matches the product's requirements (110V AC).
- Do not attempt to repair or modify the product yourself. Refer all servicing to qualified personnel.
- Keep the product away from open flames and extreme heat sources.
- Ensure all connections are secure before plugging into a power outlet.
- Do not immerse the power adapter or control box in water, despite the IP65 rating for the string light itself.
- Always unplug the string light from the power source before cleaning or performing any maintenance.
- This product is designed for outdoor use but should be installed in a manner that minimizes exposure to severe weather conditions.

3. Package Contents

Verify that all items are present in the package:

- 1x Lumary Smart LED String Light (16.5m with 15 bulbs)
- 1x Spare LED Bulb
- 1x Smart Controller
- 1x Power Adapter
- 1x Remote Control
- 1x User Manual (this document)

4. SETUP

4.1 Physical Installation

1. Unpack the string light and all components.
2. Carefully uncoil the string light, ensuring no tangles or damage to the cable or bulbs.
3. Mount the string light in your desired outdoor location. The cable is designed to withstand outdoor elements.
4. Connect the smart controller to the string light.
5. Connect the power adapter to the smart controller.
6. Ensure the power adapter is placed in a dry location, protected from direct water exposure.

Detachable and Replaceable Bulbs

2.4m

0.98m

16.5m

1 — Power Adapter:
(Geprüfte Sicherheit) **GS**

2 — Smart Controller:
IP65 Waterproof Level

3 — BLACK PVC OUTER INSULATING JACKET
PVC COPPER WIRE INSULATION
22 AWG BARE COPPER WIRE

4 — Led Light Bulb:
IP65 Waterproof
And Shockproof

5 — Turn ON/Off Bulb Alone
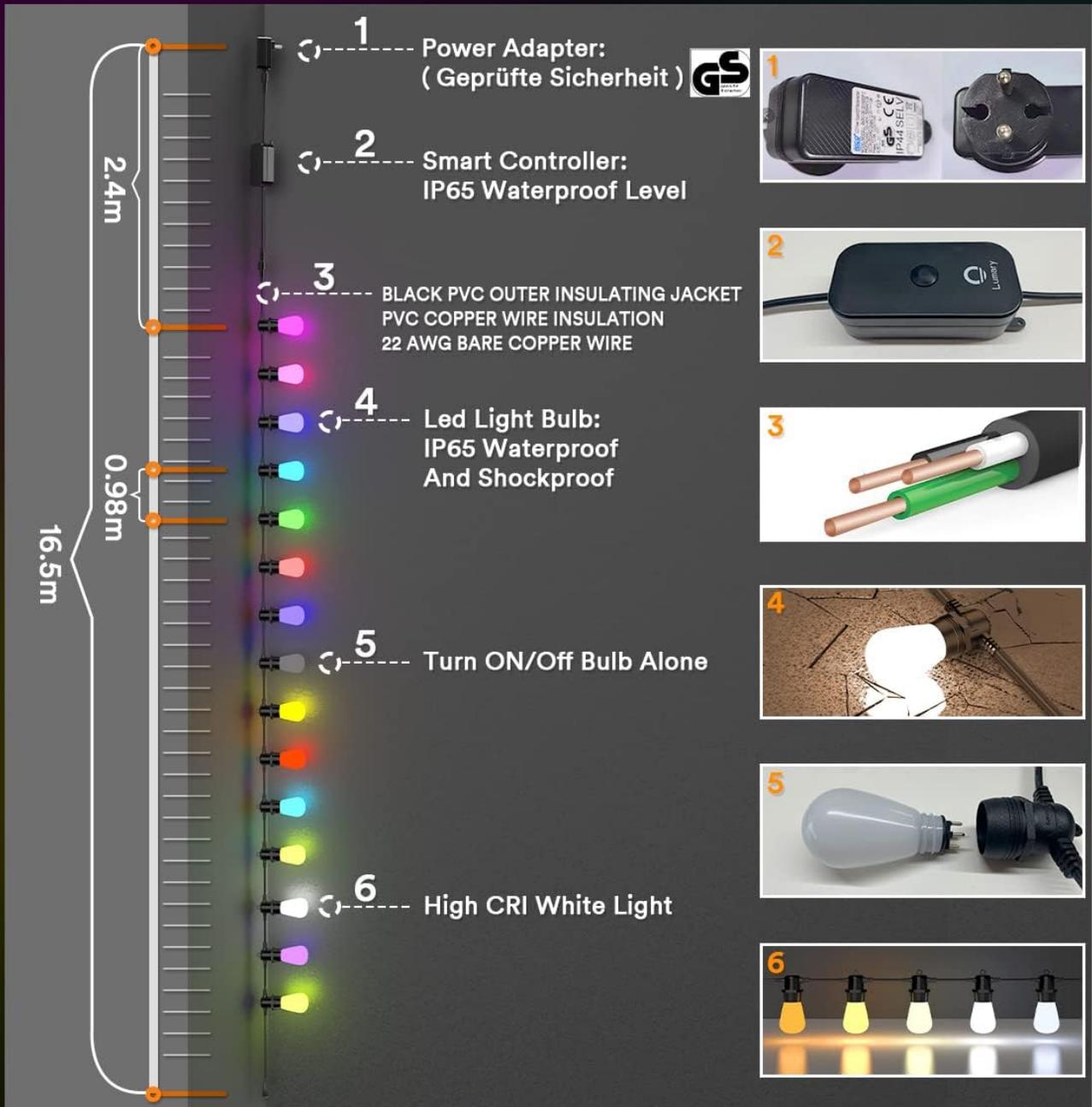
6 — High CRI White Light

Figure 2: Component overview and dimensions. The string light measures 16.5m (56ft) with 15 bulbs. The plug wire is 0.98m, and the distance from the smart controller to the first bulb is 1.7m.
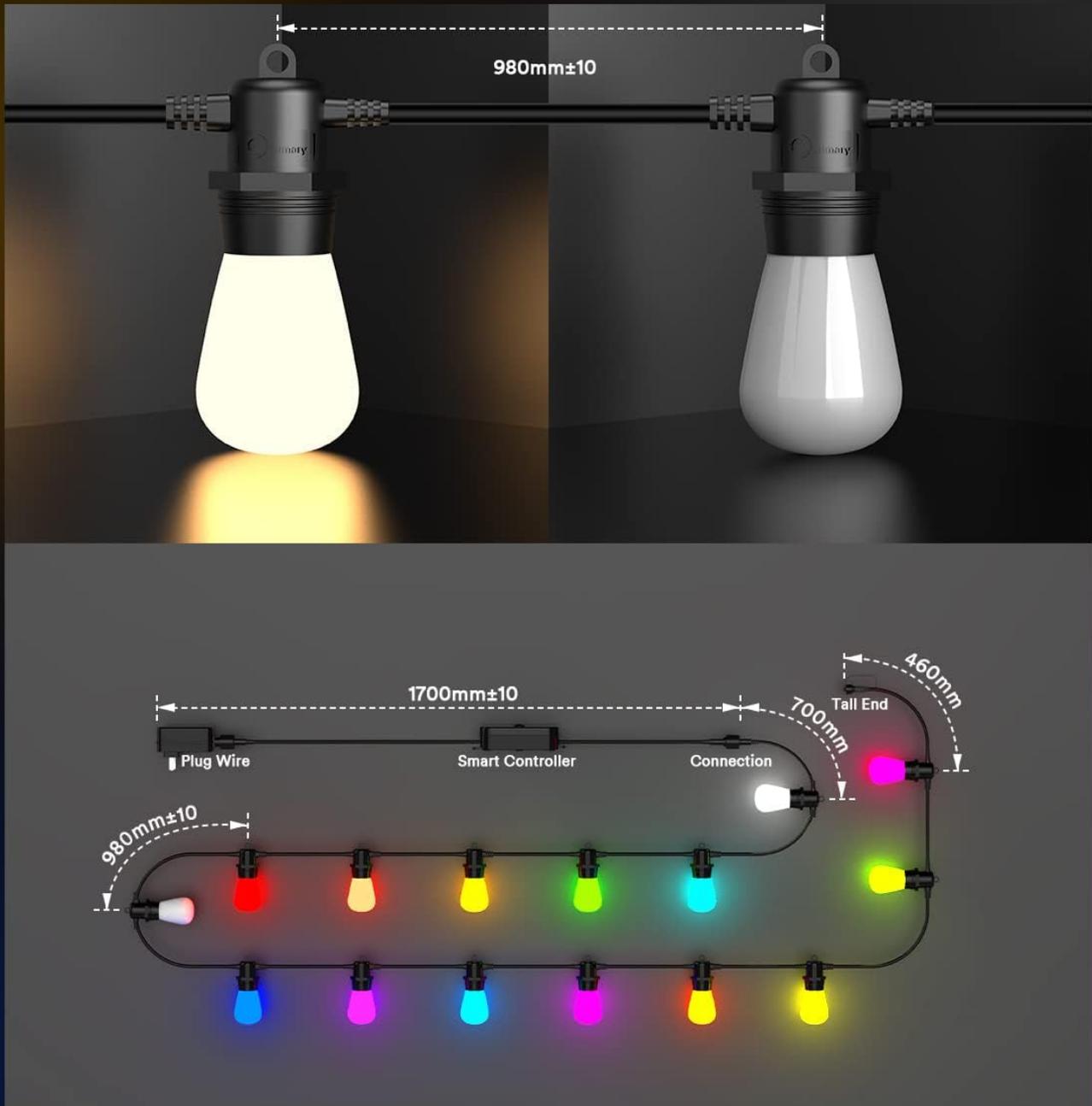
Figure 3: Detailed dimensions and layout of the string light.

4.2 App Installation and Pairing

1. Download the "Lumary" app from your smartphone's app store.
2. Register or log in to your Lumary account.
3. Plug the string light into a power outlet. The lights should begin to flash, indicating pairing mode.
4. In the Lumary app, follow the on-screen instructions to add a new device.

5. Ensure your smartphone is connected to a 2.4GHz Wi-Fi network. The Lumary Smart LED String Light only supports 2.4GHz Wi-Fi.

6. Once connected, you can control the lights via the app.

4.3 Voice Assistant Integration

The Lumary Smart LED String Light is compatible with Alexa and Google Assistant.

1. Ensure your string light is successfully paired with the Lumary app.

2. Open your Alexa or Google Home app.

3. Navigate to the "Skills" or "Works with Google" section.

4. Search for and enable the "Lumary" skill/service.

5. Link your Lumary account when prompted.

6. Discover devices. Your Lumary Smart LED String Light should now appear in your voice assistant app.

7. You can now use voice commands such as "Alexa, turn on the string light" or "Hey Google, change string light to red."
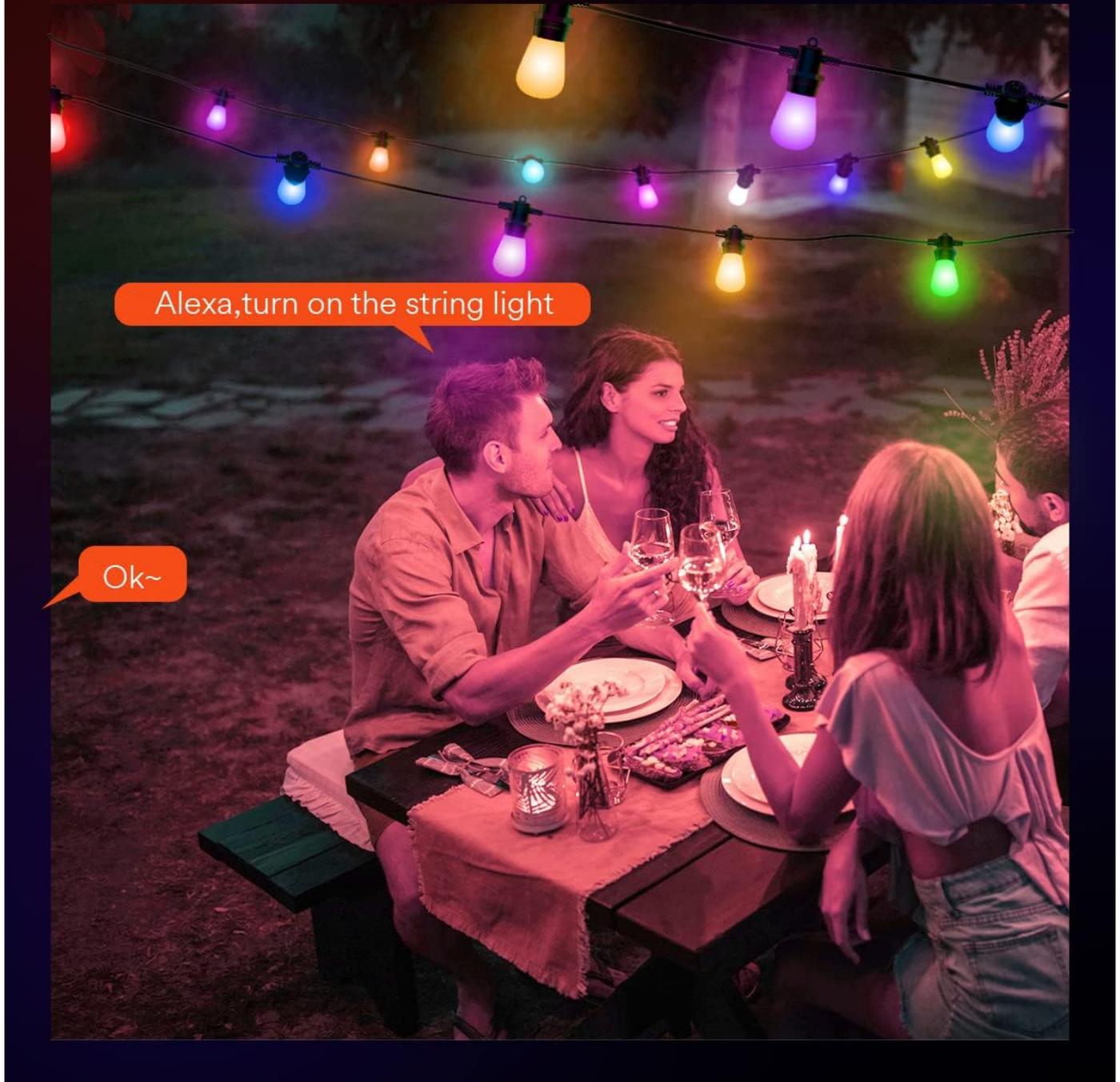
Figure 4: Voice control in action with Alexa.

5. OPERATING INSTRUCTIONS

5.1 Control Modes

Your Lumary Smart LED String Light offers multiple control options:

- **Lumary App:** Full control over colors, brightness, scenes, and scheduling.
- **Remote Control:** Included remote for basic functions like on/off, mode changes, and dimming.
- **Switch Box:** The physical control box on the string light allows for basic on/off and mode changes without network connectivity.
- **Voice Control:** Integrate with Alexa or Google Assistant for hands-free operation.

Figure 5: Overview of the four available control modes.

5.2 Color and Brightness Adjustment

- **RGBAiWW Technology:** The string light features RGBAiWW technology, allowing for a wide spectrum of colors, including 16 million color options and dedicated warm white modes.
- **Individual Bulb Control:** Each bulb can be controlled independently via the Lumary app. You can turn individual bulbs on/off, change their color, and adjust brightness from 1% to 100%.
- **Group Control:** Create groups within the Lumary app to manage multiple string lights or sections simultaneously with a single command.

5.3 Scene Modes and Music Synchronization

- **Preset Scenes:** The Lumary app offers over 8 preset scene modes to instantly set the ambiance for various occasions.
- **DIY Scenes:** Customize and save your own scene modes by adjusting colors and brightness to your preference.
- **Music Synchronization:** The string light can change colors in sync with music rhythms or game sounds, enhancing your entertainment experience.

5.4 Timer and Scheduling

Use the Lumary app to set schedules for your string lights:

- **Timer Function:** Set a timer for the lights to automatically turn on or off after a specified duration.
- **Scheduling:** Create daily or weekly schedules for the lights to activate or deactivate at specific times, such as turning on in the evening and off in the morning.

6. MAINTENANCE

6.1 Durability Features

- **IP65 Waterproof:** The string light and control box are rated IP65, providing protection against dust and water jets, making them suitable for outdoor use in various weather conditions.
- **Shatterproof Bulbs:** The robust PC plastic bulbs are designed to be shatterproof, resisting impacts and drops.
- **Stronger Cable:** The string light features a 22 AWG (3-conductor) cable, enhancing its durability and resistance to wind, rain, and snow.
- **Parallel Technology:** Designed with parallel wiring, if one bulb breaks, the remaining bulbs will continue to function without interruption.

Figure 6: Lumary's durable design features compared to standard string lights.

6.2 Bulb Replacement

The string light comes with 15 dimmable 1W LED bulbs and 1 spare bulb. If a bulb needs replacement:

1. Ensure the string light is unplugged from the power source.
2. Carefully unscrew the faulty bulb.
3. Screw in a new compatible LED bulb.

4. Dispose of the old bulb responsibly.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on.	No power, loose connection, faulty bulb.	Check power outlet, ensure all connections are secure. Replace any faulty bulbs with the spare provided.
Cannot connect to Wi-Fi.	Incorrect Wi-Fi band, weak signal, incorrect password.	Ensure your router is broadcasting a 2.4GHz Wi-Fi signal. Move the string light closer to the router. Double-check Wi-Fi password. Reset the smart controller and try pairing again.
Remote control not working.	Battery depleted, obstruction, out of range.	Replace remote control battery. Ensure no obstructions between remote and control box. Operate within effective range.
One or more bulbs are off.	Faulty bulb.	Due to parallel technology, other bulbs should still work. Replace the specific faulty bulb with the spare.

8. SPECIFICATIONS

Feature	Detail
Brand	Lumary
Model Number	EU-SI56B-1
Length	16.5 meters (56 feet)
Number of Bulbs	15 + 1 spare
Bulb Type	LED, 1W dimmable
Light Color Output	RGBAiWW (16 million colors, warm white)
Material	ABS, Polycarbonate, PVC
Ingress Protection (IP) Rating	IP65
Voltage	110 Volts (AC)
Maximum Wattage	14.58 Watts-hours
Power	12.00 Watts
Special Features	Color changing, shatterproof, adjustable, remote controlled, timer, voice control (Alexa/Google Assistant)
Connectivity	Wi-Fi (2.4GHz only), Bluetooth
Color Rendering Index (CRI)	80
Item Weight	1.44 Kilograms

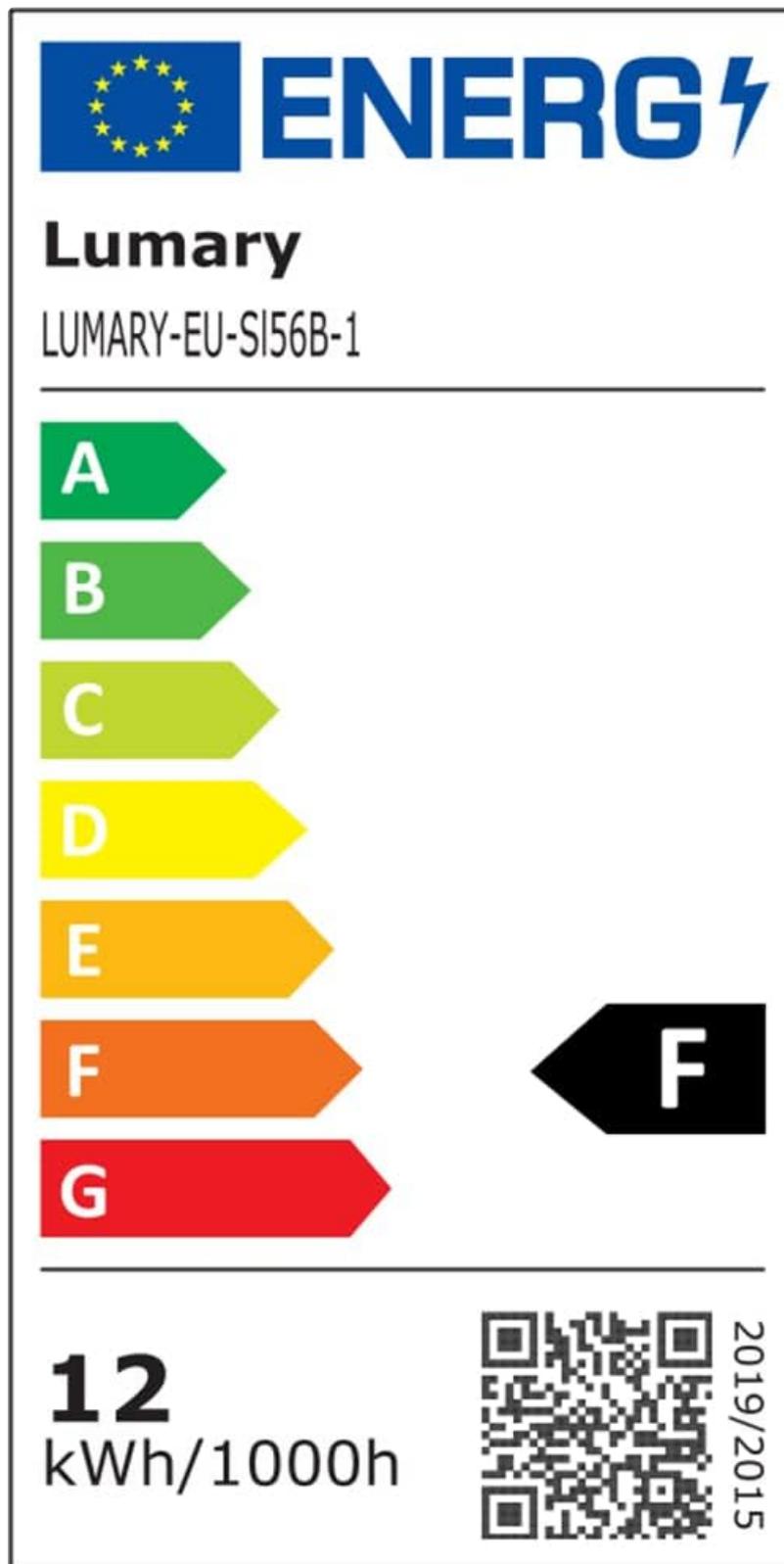Figure 7: EU Energy Label. For more details, refer to the EPREL database.

Figure 8: Product Data Sheet with detailed technical information. For more details, refer to the EPREL database.

9. WARRANTY & SUPPORT

Specific warranty information for the Lumary Smart LED String Light is not provided in the product data. For warranty details, technical support, or replacement parts, please contact Lumary customer service directly or refer to the official Lumary website.

Information regarding the availability of spare parts and guaranteed software updates is not available in the provided product data.