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› Arbrac 100ft G40 LED Outdoor String Lights User Manual

Arbrac UL(7)-GE(60)(1W)

Arbrac 100ft G40 LED Outdoor String Lights User Manual

Model: UL(7)-GE(60)(1W)

1. INTRODUCTION

Thank you for choosing Arbrac 100ft G40 LED Outdoor String Lights. This manual provides essential information for the safe installation, operation, and maintenance of your new lighting system. Please read it thoroughly before use and retain it for future reference.

These string lights are designed for outdoor use, featuring shatterproof plastic bulbs, a waterproof design, and the ability to connect multiple strands. They are also dimmable (dimmer not included) to create various ambiances.



Image 1.1: Arbrac 100ft G40 LED Outdoor String Lights providing warm illumination in an outdoor setting.

2. SAFETY INFORMATION

WARNING: To reduce the risk of fire, electric shock, or injury to persons, please follow these instructions carefully.

- **UL Listed:** This product is UL Listed, ensuring it meets recognized safety standards.
- **Waterproof Rating:** The lights have an IP44 waterproof rating, designed to withstand sunlight, rain, snow, and wind. However, ensure all connections are secure and protected from direct water immersion.
- **Power Source:** Use only with a 120V AC power supply. Do not exceed the maximum wattage for the string.
- **Installation:** Ensure the power is disconnected before installation or maintenance. Do not mount or place near gas or electric heaters, fireplaces, candles, or other similar sources of heat.
- **Bulb Handling:** Although bulbs are shatterproof plastic, handle them with care. Replace damaged bulbs promptly.
- **Extension Cords:** If using an extension cord, ensure it is rated for outdoor use and has the appropriate electrical rating for the product.

- **Connection Limit:** Do not connect more than 8 strands end-to-end to prevent overloading the circuit.

Safety & Quality

Arbrac	Outstanding Performance	Others
60+2(Spare)	Number of Bulbs	15-30 Only
Shatterproof Plastic	Safety	Fragile Glass
Yes	UL Listed	No or 4 Way
Stepless(Dimmer NOT Included)	Dimmable	No or Not Clear
Yes (Up to 8 Strings)	Connectable	1000-20,000 Hours
30,000+ Hours	Lifespan	No Hook or Clip
Built-in Hook	Ease of Hanging	No

Image 2.1: Arbrac G40 bulbs are made from shatterproof plastic for enhanced safety and durability compared to traditional glass bulbs.



Image 2.2: The IP44 waterproof rating ensures the lights are protected against various weather conditions, including rain and snow.

3. PACKAGE CONTENTS

Verify that all components are present before installation:

- 1 x 100ft String Light Strand with 60 Sockets
- 60 x G40 LED Shatterproof Bulbs (1W each)
- 2 x Spare G40 LED Shatterproof Bulbs
- 1 x Spare Fuse (located in the male plug)

4. SETUP INSTRUCTIONS

1. **Plan Your Layout:** Before hanging, determine the desired path for your string lights. Consider the length (100ft) and the placement of power outlets.
2. **Secure the Strand:** Use the built-in hooks on each socket to hang the string lights. Secure the main cable first, ensuring it is taut but not overly strained. Common methods include using guide wires, hooks,

or zip ties (not included) to attach to pergolas, fences, or walls.

3. **Install Bulbs:** Once the string is securely hung, carefully screw each G40 LED bulb into its socket. Ensure bulbs are fully seated to prevent moisture entry. It is recommended to install bulbs after the string is hung to minimize breakage risk.
4. **Connect Multiple Strands (Optional):** If you need a longer length, connect additional Arbrac string light strands end-to-end using the male and female connectors. Do not exceed a total of 8 connected strands.
5. **Power Connection:** Plug the string lights into a standard 120V outdoor-rated electrical outlet. Ensure the outlet is protected by a Ground Fault Circuit Interrupter (GFCI) for outdoor safety.



Image 4.1: Each socket features a built-in hook for convenient and secure hanging.



Image 4.2: The lights are designed for end-to-end connection, allowing up to 8 strands to be linked. A spare fuse is included in the male plug.

5. OPERATING INSTRUCTIONS

- **Power On/Off:** Once plugged in, the lights will illuminate. Unplug to turn off.
- **Dimmable Functionality:** These string lights are dimmable. To utilize this feature, you will need a compatible outdoor-rated dimmer (not included). Connect the dimmer between the string light plug and the power outlet. Adjust the dimmer to achieve your desired brightness level.

Dimmable & Connectable

Customizable for Different Ambiences (Dimmer Not Included)

0-100% Stepless Dimming



End-to-End Connectable Up to 8 Strands

Image 5.1: The lights offer stepless dimming from 0-100% with a compatible dimmer (sold separately).

6. MAINTENANCE

- **Cleaning:** Disconnect power before cleaning. Wipe bulbs and cords with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Bulb Replacement:** If a bulb burns out, replace it with one of the two spare G40 LED bulbs provided, or purchase compatible replacements. Ensure the replacement bulb is 1W LED, G40 shape, and has an E12 base. Always disconnect power before replacing bulbs.
- **Storage:** If storing the lights for an extended period, clean them thoroughly, coil the string neatly, and store in a cool, dry place away from direct sunlight.
- **Weather Resistance:** The lights are designed to be weatherproof (IP44). However, during extreme weather conditions (e.g., severe storms, hurricanes), it is advisable to temporarily take them down to prevent potential damage.

Energy-Efficient & Long Lifespan



**E12
BASE**

Bulb diameter: 1.57"

Wattage:	1W Energy-Efficient Led Bulb
Lifespan :	30,000+ Hours
Bulb Type:	G40 Shatterproof Plastic Bulb
Voltage:	Standard 110v-120v
Total Length:	100FT
Sockets:	60 Sockets + 2 Spare Bulbs



Spare Fuse



String Length:100FT

Image 6.1: Detailed specifications for the G40 LED bulb, including E12 base and 1W wattage, essential for replacement.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on.	No power to the outlet. Loose plug connection. Blown fuse in the plug. Damaged bulb(s).	Check the power outlet with another device. Ensure the plug is fully inserted. Replace the fuse in the male plug (refer to Image 4.2 for location). Check and replace any burnt-out or loose bulbs.
Some bulbs are not lighting up.	Loose or burnt-out bulb.	Tighten any loose bulbs. Replace burnt-out bulbs with spares or new compatible bulbs.

Problem	Possible Cause	Solution
Lights are flickering.	Loose connection. Incompatible dimmer (if used). Faulty bulb.	Check all connections, including end-to-end connections. Ensure dimmer is compatible with LED string lights. Replace individual bulbs to identify a faulty one.
Water inside bulbs.	Bulbs not screwed in tightly.	Disconnect power, remove bulbs, dry them, and screw them back in tightly. Ensure the rubber gasket is properly seated.

8. SPECIFICATIONS

Feature	Detail
Brand	Arbrac
Model Number	UL(7)-GE(60)(1W)
Total Length	100 feet
Number of Bulbs	60 + 2 Spare
Bulb Type	G40 LED, Shatterproof Plastic
Bulb Base	E12 (BAY15D)
Wattage per Bulb	1 Watt
Light Color	2700K Warm White
Voltage	120 Volts
Indoor/Outdoor Usage	Outdoor
Water Resistance Level	IP44 Waterproof
Special Features	Dimmable (dimmer not included), Energy Efficient, Linkable (up to 8 strands), Shatterproof, Waterproof
Lifespan	30,000+ Hours
Item Weight	5.51 Pounds

9. WARRANTY AND SUPPORT

Arbrac is committed to providing high-quality products. This product comes with a **100% Satisfaction Guarantee** as stated by the manufacturer.

If you encounter any issues or have questions regarding your Arbrac 100ft G40 LED Outdoor String Lights, please contact the seller or manufacturer directly through your purchase platform for assistance. Please have your model number (UL(7)-GE(60)(1W)) and purchase details ready.

For more information about Arbrac products, you may visit the official [Arbrac Store on Amazon](#).