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› LEDLightsWorld 4.5V 2.7W Class 2 Power Supply Instruction Manual

## LEDLightsWorld 4.5V 2.7W

# LEDLightsWorld 4.5V 2.7W Class 2 Power Supply Instruction Manual

## INTRODUCTION

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This manual provides instructions for the LEDLightsWorld 4.5V 2.7W Class 2 Power Supply. This low voltage transformer is designed for various LED lighting applications, including Christmas lights, string lights, and lawn lamps, for both indoor and outdoor use. Please read this manual thoroughly before installation and use to ensure safe and proper operation.

## SAFETY INFORMATION

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- Always ensure the power supply's voltage, current, and wattage ratings match your device's requirements. This power supply is specifically designed for 4.5V devices only.
- Do not exceed the maximum rated wattage of 2.7W. Overloading the power supply can cause damage or create a fire hazard.
- This product is UL Listed, indicating compliance with safety standards for both indoor and outdoor use.
- The power supply features built-in overpower, overvoltage, overcurrent, and short-circuit protection to ensure safe operation.
- The IP44 waterproof rating allows for outdoor use. However, ensure all connections are secure and protected from direct water immersion to prevent electrical hazards.
- If you are unsure about compatibility or installation, consult a qualified electrician or contact customer support.



Overpower  
protection



Overvoltage  
protection



Overcurrent  
protection



Short-circuit  
protection



This image illustrates the four protection features of the power supply: overpower, overvoltage, overcurrent, and short-circuit protection, ensuring safety and stability.

## PRODUCT FEATURES

- **Input:** 100-240V AC, 50/60Hz, 0.2A
- **Output:** 4.5V DC, Maximum 600mA, Rated 2.7W
- **Certification:** UL Certified Class 2 Power Supply
- **Waterproof Rating:** IP44, suitable for indoor and outdoor environments.
- **Protection:** Integrated overpower, overvoltage, overcurrent, and short-circuit protection.
- **Compatibility:** Designed for various 4.5V low voltage LED devices, including string lights, Christmas lights, projector lights, and lawn lamps.

  
waterproof  
IP44



This image highlights the IP44 waterproof rating of the power supply, making it suitable for outdoor use.



This image demonstrates the wide application of the power supply with various low voltage LED devices, such as string lights and decorative lighting.

## SETUP

1. **Identify Connectors:** Locate the output connector on the power supply and the input connector on your 4.5V LED device.
2. **Connect Device:** Align the male plug of the power supply with the female receptacle of your LED device. Ensure the polarity (+/-) matches if indicated on your device or the connectors.
3. **Secure Connection:** Firmly push the connectors together until they are securely seated. For outdoor applications, ensure the connection is tight and protected from moisture.
4. **Plug into Outlet:** Insert the power supply's US plug into a standard 100-240V AC electrical outlet.
5. **Verify:** Confirm that the LED device powers on correctly.



This diagram illustrates the correct method for connecting the power supply to your LED device, emphasizing proper alignment and polarity.

## OPERATING INSTRUCTIONS

Once the power supply is securely connected to your 4.5V LED device and plugged into an electrical outlet, it will automatically provide continuous 4.5V DC power. This power supply operates in a steady-on mode, meaning it provides constant power without additional controls or settings. Simply plug it in to activate your lighting.

## MAINTENANCE

- **Inspection:** Periodically inspect the power supply, its cable, and connectors for any signs of damage, such as cuts, fraying, or exposed wires.
- **Connection Integrity:** Ensure all connections remain secure and free from debris, dust, or moisture, especially for outdoor installations.
- **Cleaning:** Clean the exterior of the power supply with a dry, soft cloth. Do not use liquid cleaners or immerse the unit in water.
- **Storage:** When not in use, store the power supply in a cool, dry place away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

### Device Not Lighting Up

- **Power Source:** Check if the power supply is securely plugged into a functional electrical outlet. Test the outlet with another device if necessary.
- **Connections:** Verify that the connection between the power supply and your LED device is firm and correctly aligned.
- **Compatibility:** Confirm that your LED device requires 4.5V and does not exceed the 2.7W maximum wattage. Using an incompatible device can prevent operation or cause damage.
- **Device Fault:** Inspect the LED device itself for any faults or damage.

### Intermittent Power

- **Loose Connections:** Ensure all connections are tight and not loose.
- **Cable Damage:** Check for any damage to the power supply cable or the device's cable.

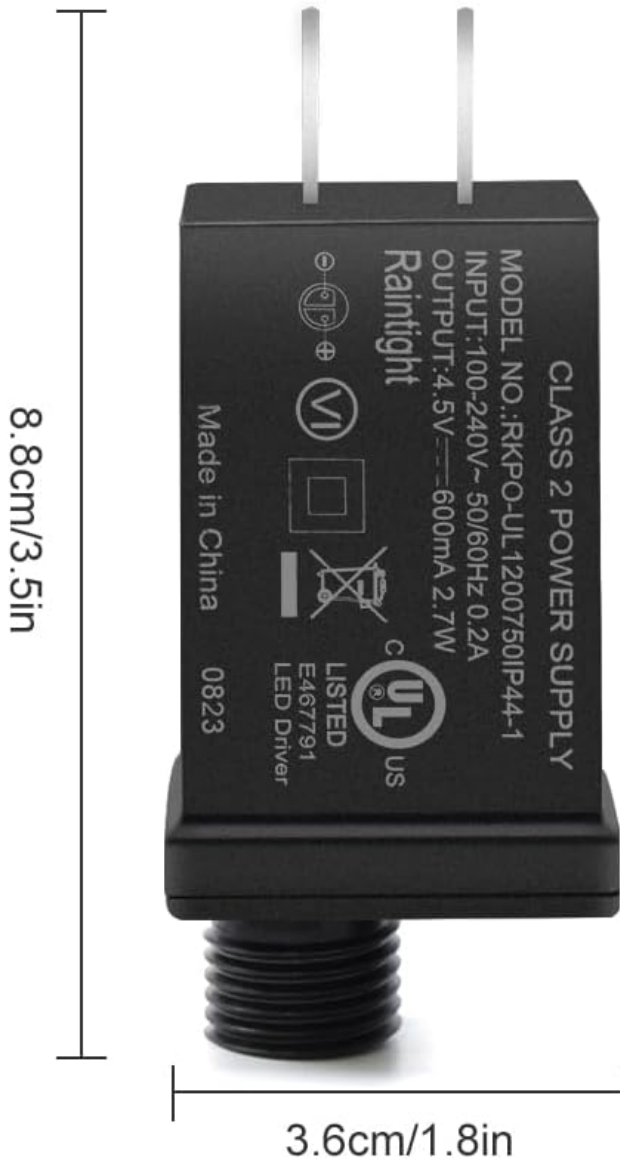
### Power Supply Feels Excessively Hot

- A slight warmth during operation is normal. However, if the power supply becomes excessively hot, disconnect it immediately.
- **Overload:** Ensure the connected device's wattage does not exceed 2.7W. Overloading can cause overheating.
- **Ventilation:** Ensure adequate ventilation around the power supply and that it is not covered or enclosed in a way that restricts airflow.

## SPECIFICATIONS

|                              |  |
|------------------------------|--|
| Brand                        | LEDLightsWorld                                     |
| Model                        | 4.5V 2.7W  |
| Input Voltage                | 100-240V AC  |
| Input Frequency              | 50/60Hz  |
| Input Current                | 0.2A   |
| Output Voltage               | 4.5V DC  |
| Max Output Current           | 600mA  |
| Rated Wattage                | 2.7W   |
| Waterproof Rating            | IP44   |
| Certification                | UL Listed, Class 2 Power Supply                    |
| Protection Features          | Overpower, Overvoltage, Overcurrent, Short-circuit |
| Power Source                 | Corded Electric                                    |
| Item Weight                  | 50 Grams   |
| Power Supply Body Dimensions | 8.8 cm (3.5 in) Length x 3.6 cm (1.8 in) Width     |
| Cable Length                 | 1.2 m (47.24 in)                                   |
| Connector Diameter           | 17 mm (0.66 in)                                    |

# 4.5V 2.7W Class 2 Power Supply



## SPECIFICATION

INPUT: 100-240V-50/60HZ 0.2A

OUTPUT: 4.5V Max 600MA

Please make sure it fits your device wattage before your purchase.

17mm/0.66in



This image provides detailed dimensions and key specifications of the 4.5V 2.7W Class 2 Power Supply.

## WARRANTY AND SUPPORT

This LEDLightsWorld product comes with a one-year warranty from the date of purchase. This warranty covers manufacturing defects under normal use. For technical support, warranty claims, or any questions regarding the product, please feel free to contact LEDLightsWorld customer service. Please retain your proof of purchase for warranty service.