

FEILUDE gongdongshan

FEILUDE 630mm LED Backlight Set Instruction Manual

Model: gongdongshan

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your FEILUDE 630mm LED Backlight Set. This product is designed as a replacement backlight solution for compatible 32-inch LG TV models, including 32LN5100, 32LN520B, 32LN570V, 32LN545B, and 32LN5180, utilizing part numbers such as 6916L-1106A, 6916L-1105A, 6916L-1204A, and 6916L-1295A. Please read this manual thoroughly before proceeding with installation to ensure proper and safe usage.

Safety Information

- This product is designed for internal TV component replacement. Professional installation is highly recommended due to the complexity of disassembling a television.
- Always disconnect the TV from the power source before attempting any installation or maintenance.
- Handle the LED strips with care to avoid bending or damaging the circuit board and LED beads.
- The LED strips themselves are designed to be low heat and touchable, but the internal components of a TV can retain electrical charge. Exercise extreme caution.
- This version of the LED backlight is not waterproof. Avoid exposure to liquids.

2. PRODUCT COMPONENTS

Your FEILUDE 630mm LED Backlight Set includes the following components:

- 1 set = 3 pieces of LED backlight strips (1 x A2 strip, 2 x A1 strips)
- Each LED lamp operates at 3V.
- Total length of each strip: 630mm.
- Number of LED beads: A1 strips have 7 LEDs, A2 strips have 8 LEDs.



Figure 2.1: The complete set of three LED backlight strips, consisting of two A1 strips and one A2 strip, ready for installation.



Figure 2.2: A detailed view of the connectors and individual LED lenses on the strips, clearly showing the "A1" and "A2" labels that differentiate the strip types.



Figure 2.3: A magnified image of two LED beads, illustrating their design and placement on the backlight strip.

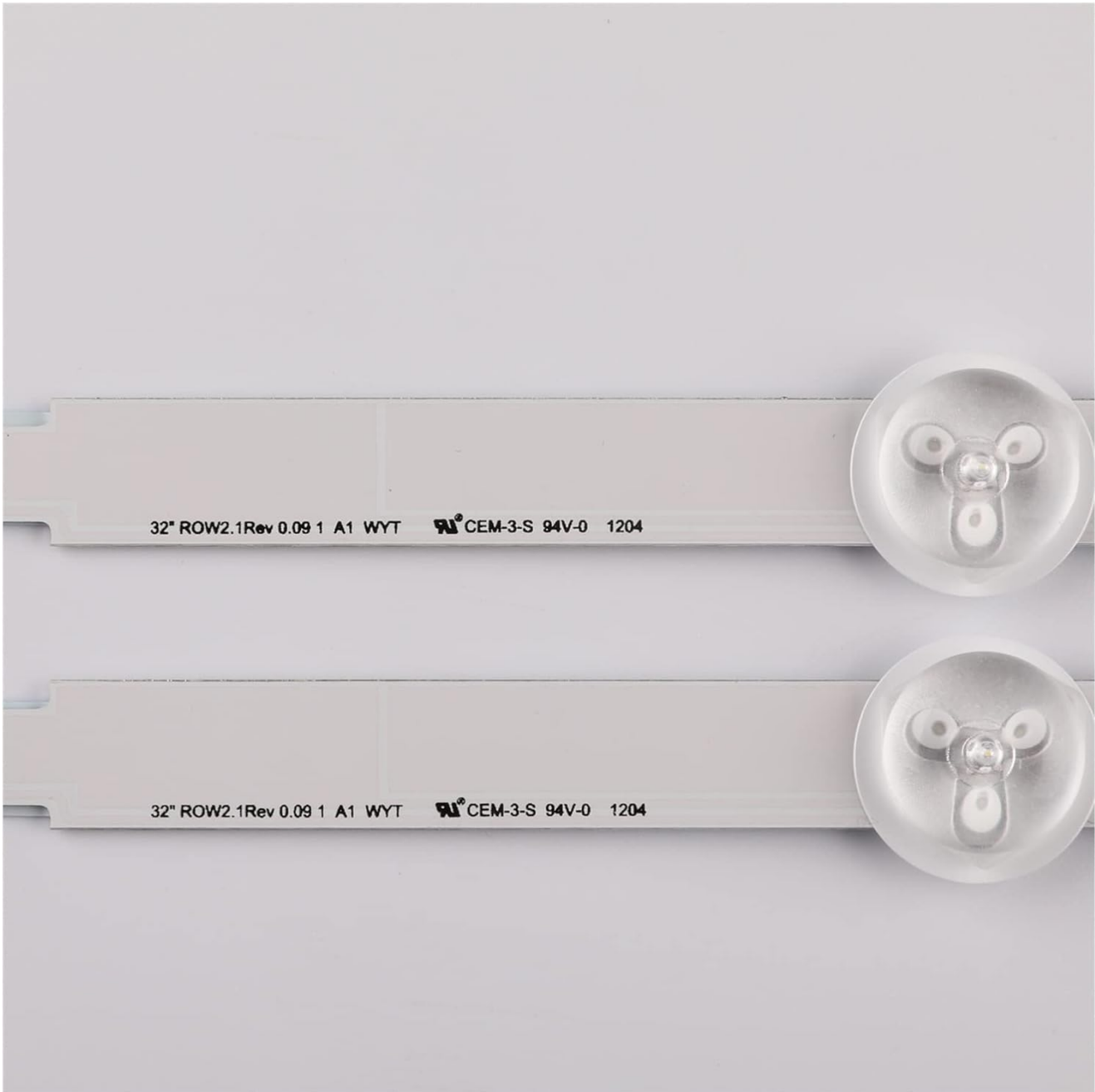


Figure 2.4: The reverse side of an LED strip, displaying manufacturing markings such as "32" ROW2.1Rev 0.09 1 A1 WYT" and other identifiers.

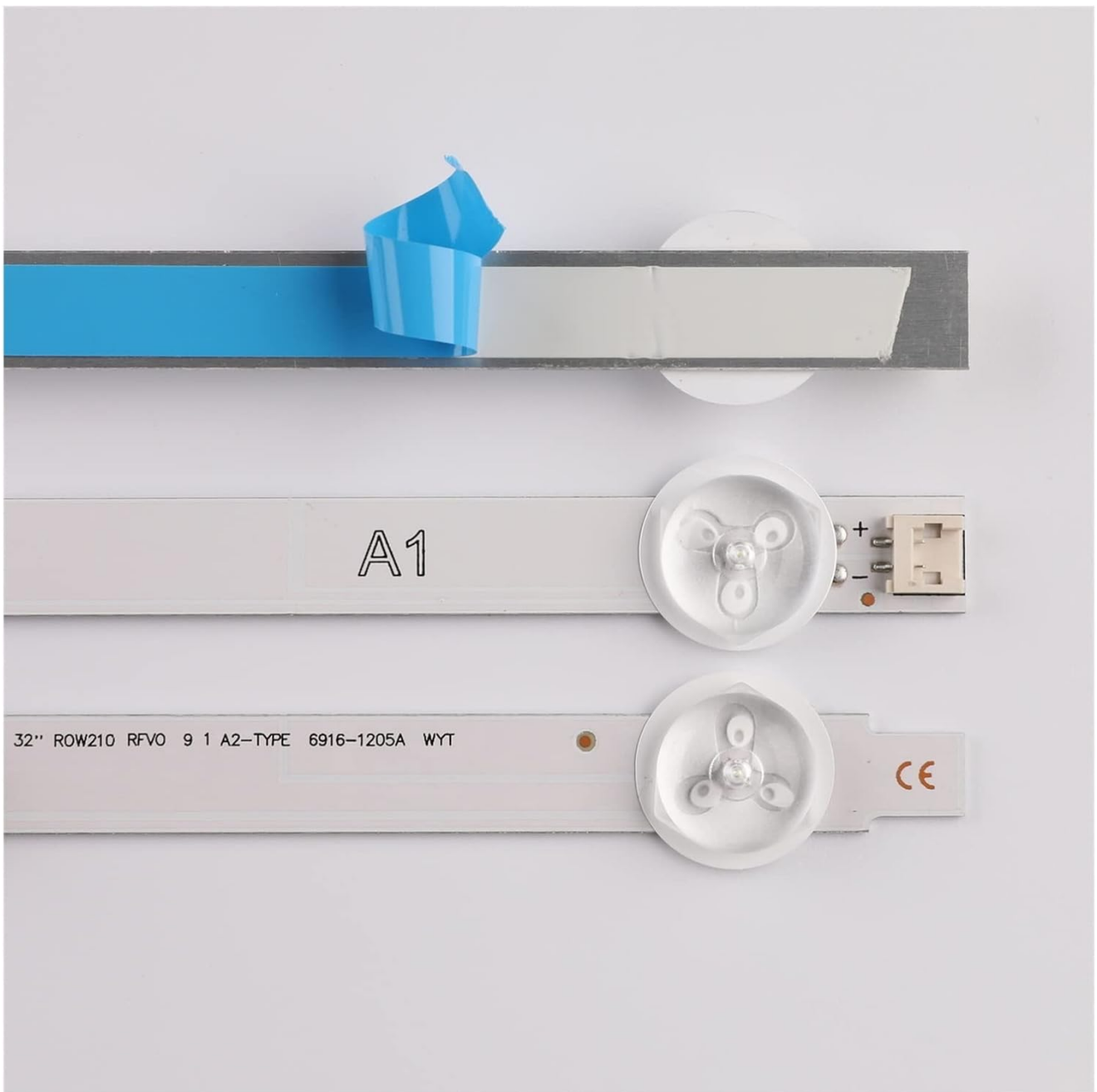


Figure 2.5: An LED strip with its protective blue film being peeled back, revealing the adhesive layer on the reverse side for secure mounting.

3. SETUP AND INSTALLATION

Installing replacement LED backlights requires careful disassembly and reassembly of your television. It is highly recommended that this procedure be performed by a qualified technician. If you choose to proceed yourself, follow these general guidelines:

1. Preparation:

- Ensure the TV is completely unplugged from all power sources.
- Gather necessary tools, which typically include screwdrivers, pry tools, and anti-static equipment.
- Work in a clean, well-lit, and static-free environment.

2. TV Disassembly:

- Carefully remove the TV's back cover, stand, and any internal components obstructing access to the display panel.

- Gently detach the display panel and diffuser layers. These components are extremely fragile.
- Locate the existing LED backlight strips.

3. Old Strip Removal:

- Disconnect the power connectors from the old LED strips.
- Carefully peel off the old strips from the TV chassis. Note their exact placement.

4. New Strip Installation:

- Identify the A1 and A2 strips. Refer to Figure 2.2 for visual identification.
- Peel off the protective film from the adhesive backing of the new FEILUDE LED strips (refer to Figure 2.5).
- Align the new strips precisely in the same positions as the old ones. The adhesive backing ensures a secure fit on any dry and flat surface.
- Connect the power cables to the new LED strips. The corner-friendly design of the power cord simplifies routing and connection, eliminating the need for additional connectors or breaks.

5. Reassembly and Testing:

- Carefully reassemble the TV, ensuring all cables are properly routed and connected, and the display panel and diffuser layers are correctly seated.
- Before fully closing the TV, connect it to power and perform a brief test to ensure the new backlights illuminate correctly and evenly.
- Once confirmed, complete the reassembly of the TV.

Note: For testing purposes or alternative uses, these light bars can be powered by a 5-volt mobile power supply, allowing for easy indoor use without a TV. However, their primary design is for TV backlight replacement.

4. OPERATING INSTRUCTIONS

Once properly installed within your television, the FEILUDE LED Backlight Set operates automatically in conjunction with your TV's power system. There are no separate controls for the backlights themselves.

- **Power On:** The LED backlights will illuminate when your television is powered on.
- **Power Off:** The LED backlights will turn off when your television is powered off or enters standby mode.
- **Brightness Control:** Any brightness adjustments for the display will be managed through your television's internal picture settings.

5. MAINTENANCE

The FEILUDE LED Backlight Set is designed for long-term, maintenance-free operation once installed. Due to its internal placement within the television, regular user maintenance is not required.

- **Internal Components:** Avoid opening the television once the backlights are installed, unless further repair is necessary.
- **Cleaning:** If the TV is disassembled for any reason, ensure the LED strips are kept clean and free of dust or debris. Use a soft, dry cloth if cleaning is necessary. Do not use liquid cleaners directly on the strips.
- **Heat:** The LED strips generate extremely low heat, ensuring safe operation within the TV enclosure.

6. TROUBLESHOOTING

If you encounter issues after installing the FEILUDE LED Backlight Set, consider the following troubleshooting steps:

- **No Backlight / Dim Screen:**

- Ensure all power connectors to the LED strips are securely seated.
- Verify that the TV's power supply unit (PSU) is functioning correctly and providing power to the backlight driver board.
- Check for any visible damage to the LED strips or their wiring.

- **Uneven Lighting / Dark Spots:**

- This may indicate a faulty LED bead on one of the strips. Inspect the strips for any non-illuminated or flickering LEDs.
- Ensure the diffuser layers and display panel were reassembled correctly and are not obstructing light.

- **Flickering Backlight:**

- Check all connections for looseness.
- This could also indicate an issue with the TV's backlight driver board.

If these steps do not resolve the issue, it is recommended to consult a professional television repair technician.

7. SPECIFICATIONS

Feature	Detail
Product Name	630mm LED Backlight Set
Brand	FEILUDE
Model Number	gongdongshan
Compatibility	32" LG TV models (e.g., 32LN5100, 32LN520B, 32LN570V, 32LN545B, 32LN5180)
Part Numbers	6916L-1106A, 6916L-1105A, 6916L-1204A, 6916L-1295A
Strip Length	630mm
LED Configuration	A1 strips: 7 LEDs; A2 strips: 8 LEDs
LED Voltage	3V per LED lamp
Package Contents	1 set = 3 pcs (1 x A2 strip, 2 x A1 strips)
Item Weight	1.76 ounces (50 Grams)
Package Dimensions	0.39 x 0.39 x 0.39 inches

8. WARRANTY AND SUPPORT

Specific warranty terms for the FEILUDE 630mm LED Backlight Set are typically provided by the retailer or manufacturer at the time of purchase. Please refer to your purchase documentation or the seller's website for detailed warranty information.

For technical support or inquiries regarding this product, please contact the seller or manufacturer directly through the contact information provided with your purchase or on their official website.

