

Hetingprotocol 60UJ6300-UA

Hetingprotocol LED Backlight Strip Replacement Kit User Manual

Brand: Hetingprotocol | **Model Series:** LG 60UJ6300, 60UJ6050, 60UJ630V, 60UJ634V, 60UJ63_UHD

1. INTRODUCTION

This manual provides essential information for the installation and maintenance of your Hetingprotocol LED Backlight Strip Replacement Kit. This kit is designed for specific LG 60-inch television models. Please read all instructions carefully before proceeding with installation.

Important Safety Information

- Always disconnect the television from the power source before beginning any repair or installation work.
- Television repair requires technical knowledge and specialized tools. If you are not comfortable performing this repair, seek assistance from a qualified technician.
- Handle LED strips carefully to avoid bending or damaging the components.
- Wear appropriate personal protective equipment, such as anti-static gloves, to prevent damage to sensitive electronic components.

2. PACKAGE CONTENTS

Your Hetingprotocol LED Backlight Strip Replacement Kit includes:

- 10 x LED Backlight Strips (various types: A, B, C, D)

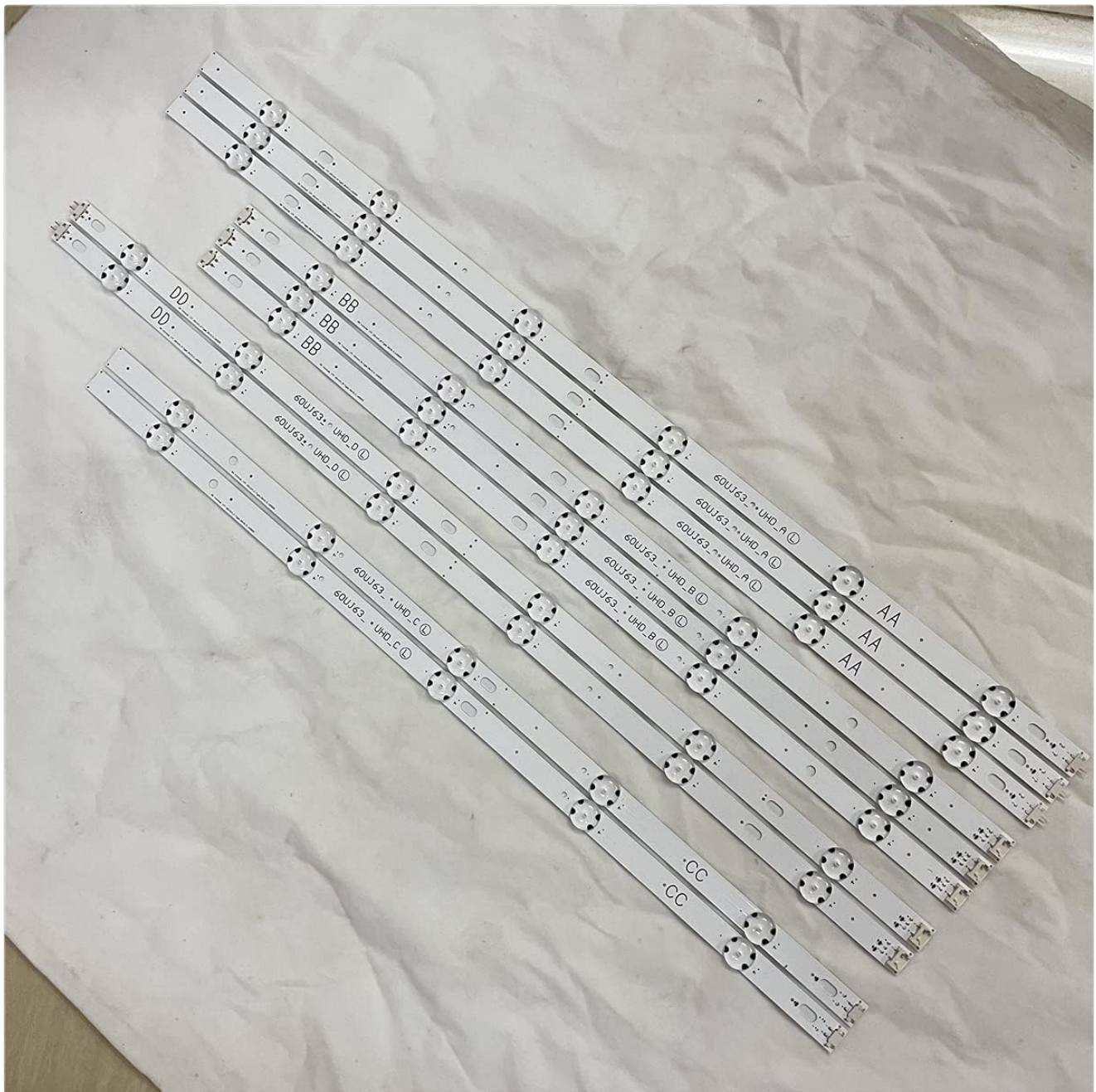


Figure 2.1: A complete set of 10 LED backlight strips, including types A, B, C, and D, as provided in the kit.

3. COMPATIBILITY INFORMATION

CRITICAL: Before installation, it is imperative to match the LED strips in this kit with the original strips currently installed in your television. Do not rely solely on the TV model number for compatibility verification, as many TV models use different sets of LED strips.

This kit is compatible with the following LG 60-inch TV models and their variants:

- LG 60UJ6300-UA
- LG 60UJ6050-UA
- LG 60UJ630V
- LG 60UJ634V
- LG 60UJ63_UHD_A, B, C, D series

Verify the part numbers on your existing strips. Common part numbers for compatible strips include EAV63673006 and EAV64053901.

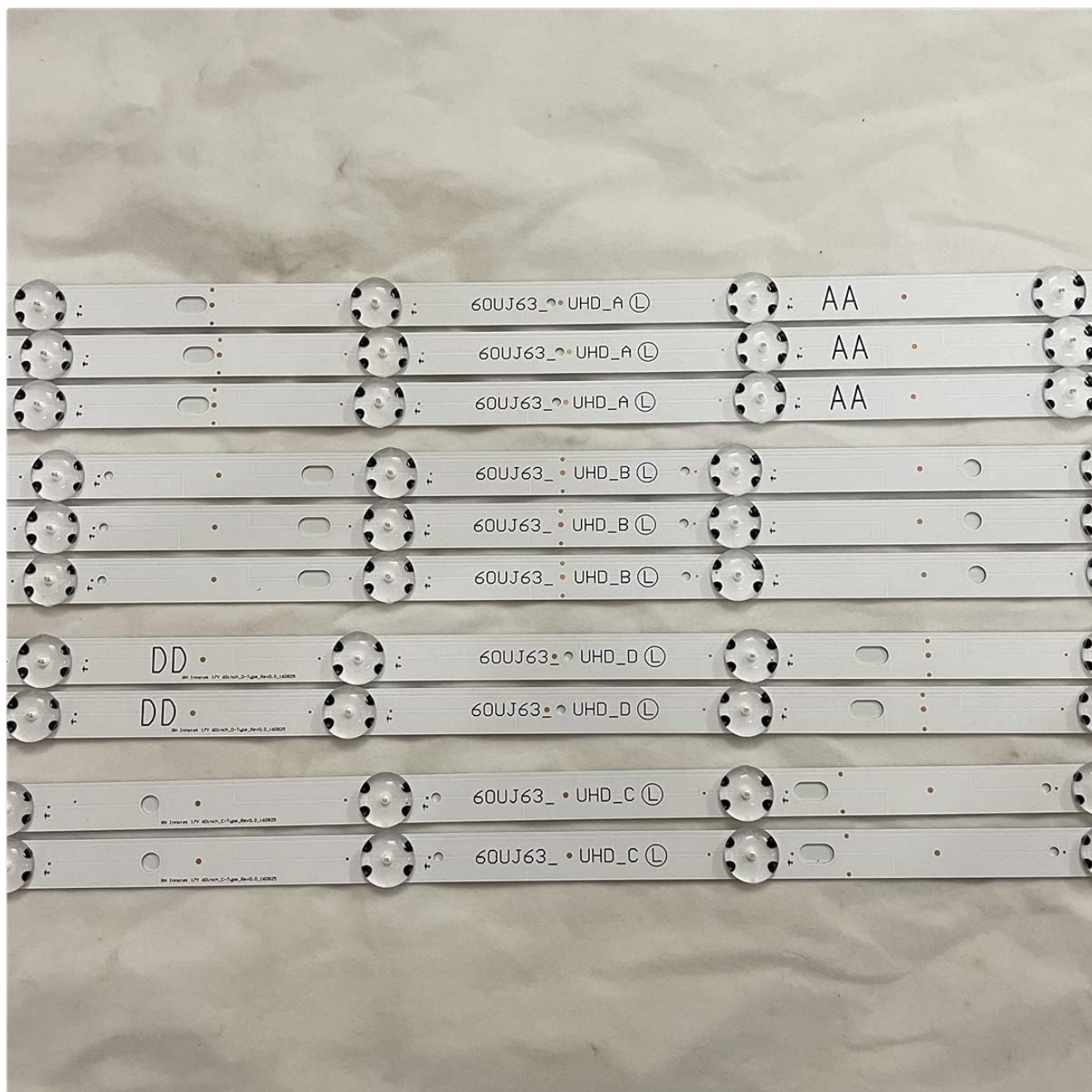


Figure 3.1: Close-up view of various LED strip types (A, B, C, D) with their specific model markings, crucial for verifying compatibility with your TV's original strips.



Figure 3.2: A detailed view of an LED strip, highlighting the individual LED lenses and printed part numbers, which should be cross-referenced with your TV's existing strips.

4. SETUP AND INSTALLATION

The following steps outline a general procedure for replacing LED backlight strips. Specific disassembly and reassembly steps for your LG TV model may vary. Refer to a service manual or reputable online resources for your exact TV model if needed.

1. **Preparation:** Disconnect the TV from all power sources and external devices. Place the TV screen-down on a soft, clean surface to prevent scratches.
2. **Disassembly:** Carefully remove the TV back cover, stand, and any internal components (e.g., main board, power supply board, speakers) that obstruct access to the display panel. Document screw locations and cable connections.
3. **Panel Removal:** With extreme caution, remove the LCD panel and diffuser layers. These components are fragile. Store them safely in a dust-free environment.
4. **Old Strip Removal:** Locate the existing LED backlight strips. Disconnect their power connectors. Gently peel

off the old strips, noting their orientation and placement.

5. New Strip Installation:

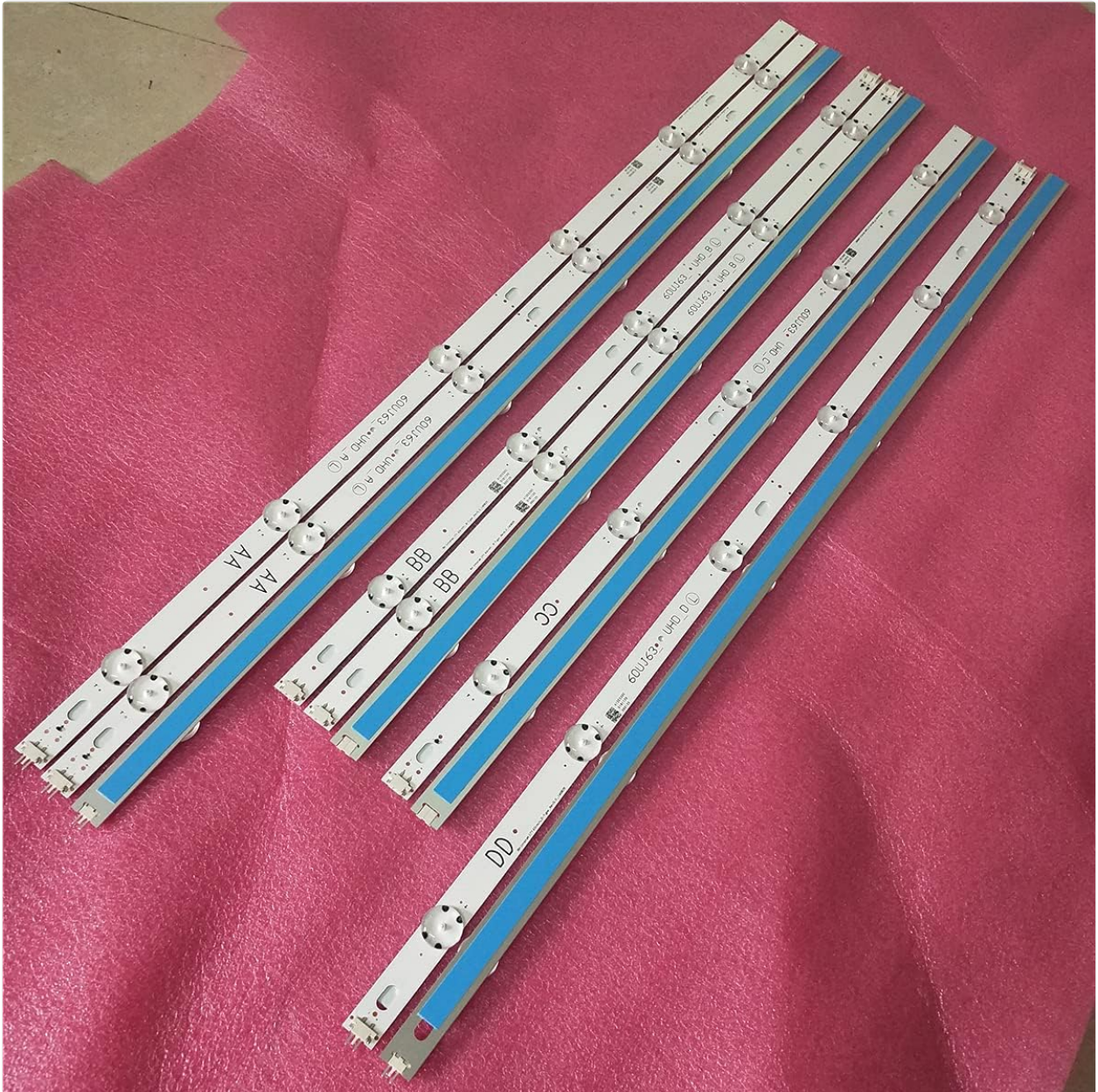


Figure 4.1: New LED strips showing the blue protective film over the adhesive backing, ready for installation.

- Ensure the TV's metal chassis is clean and free of debris.
- Carefully remove the protective backing from the adhesive on the new LED strips.
- Align each new strip precisely with the original mounting points. Press firmly along the length of the strip to ensure good adhesion.
- Connect the power cables to the corresponding connectors on the new strips.



Figure 4.2: A close-up view of the electrical connectors on the LED strips, which must be securely attached to the TV's power board.

6. **Testing:** Before reassembling the entire TV, temporarily connect the power cord and power on the TV to verify that all new LED strips illuminate correctly and evenly. Disconnect power after testing.
7. **Reassembly:** Carefully re-install the diffuser layers, LCD panel, and all other components in reverse order of disassembly. Ensure all cables are properly routed and secured, and all screws are tightened appropriately.

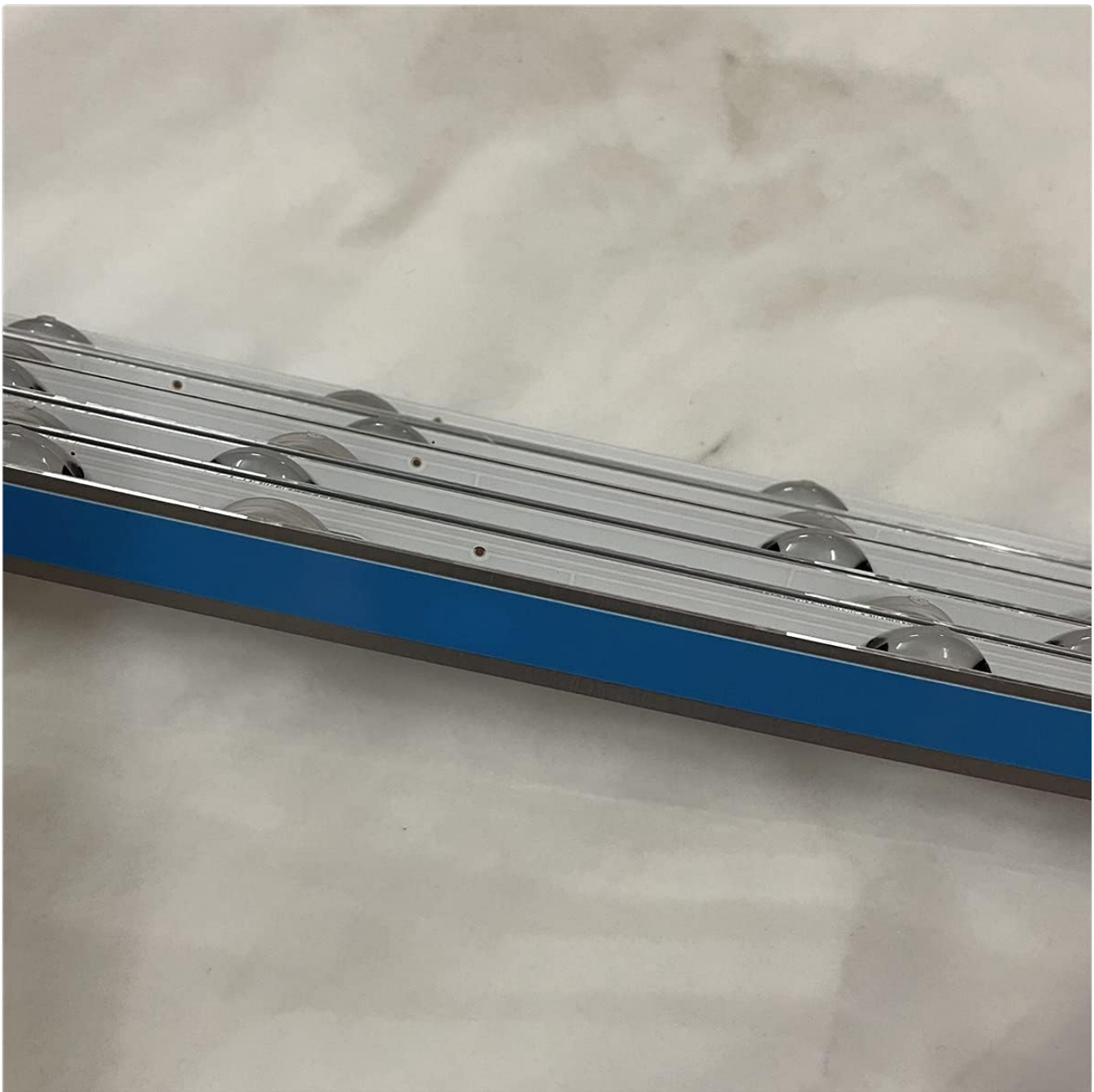


Figure 4.3: Side profile of the LED strips, illustrating their slim design for proper fit within the TV chassis.

5. OPERATING INSTRUCTIONS

Once installed, the LED backlight strips operate automatically as part of your television's display system. There are no specific user operating instructions for the strips themselves beyond the normal operation of your television.

6. MAINTENANCE

The LED backlight strips are designed to be maintenance-free under normal operating conditions. To ensure their longevity:

- Avoid exposing the television to extreme temperatures or humidity.
- Ensure adequate ventilation around the television to prevent overheating.
- Do not attempt to clean the LED strips directly once installed, as this requires disassembling the TV.

7. TROUBLESHOOTING

If you encounter issues after installing the new LED backlight strips, consider the following:

- **No Backlight / Dim Screen:**
 - Check all power connections to the LED strips and the power supply board. Ensure they are secure.
 - Verify that all strips are correctly seated and not damaged.
 - Confirm the power supply board is functioning correctly.
- **Uneven Brightness / Dark Spots:**
 - Ensure all diffuser layers and the LCD panel are reinstalled correctly and without gaps.
 - Inspect individual LEDs on the strips for any visible damage or misalignment.
- **Flickering Backlight:**
 - Recheck all connections.
 - This could indicate an issue with the power supply board or a faulty LED strip.

If troubleshooting steps do not resolve the issue, professional assistance may be required.

8. SPECIFICATIONS

Feature	Specification
Brand	Hetingprotocol
Compatible TV Models	LG 60UJ6300-UA, 60UJ6050-UA, 60UJ630V, 60UJ634V, 60UJ63_UHD series
Item Model Number	60UJ6300-UA
Number of Strips	10 PCS (Kit includes A, B, C, D types)
Light Source Type	LED
Material	Plastic
Indoor/Outdoor Usage	Indoor
UPC	601263771784

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the seller or manufacturer's official channels. Keep your purchase receipt as proof of purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question