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PANMILED D3GE-320SM1-R2, BN96-28763A, BN96-35204A, UE32H5303AK, LM41-00001S, 00001R

PANMILED LED Backlight Strip Instruction Manual

Model Compatibility: D3GE-320SM1-R2, BN96-28763A, BN96-35204A, UE32H5303AK, LM41-00001S, 00001R

1. Product Overview

This manual provides essential information for the PANMILED LED Backlight Strips, designed as replacement parts for compatible Samsung 32-inch TV models. These strips are crucial components for illuminating your television's display.



Image 1.1: Two PANMILED LED backlight strips, showing their full length and design. These strips are replacement components for TV backlighting.

Each set includes two LED backlight strips, each featuring 12 individual LED beads. The voltage of each LED bead is 3V. The strips are engineered to meet the specifications of the listed compatible Samsung TV models, ensuring proper fit and function.



Image 1.2: A detailed close-up of an individual LED bead on the backlight strip, showing its construction.

2. Compatibility and Setup

Before installation, it is critical to verify the compatibility of these backlight strips with your specific television model. Incorrect parts can lead to damage or improper function.

2.1 Compatibility Verification

To ensure compatibility, compare the physical appearance and part numbers of these PANMILED strips with the original backlight strips currently installed in your TV. The compatible part numbers for these strips include D3GE-320SM1-R2, BN96-28763A, BN96-35204A, UE32H5303AK, LM41-00001S, and 00001R.



Image 2.1: Close-up view of the LED backlight strip, highlighting the printed part numbers for compatibility verification.

If you are uncertain about compatibility, it is recommended to open your TV and visually compare the existing strips with the product images provided. This direct comparison is the most reliable method to confirm a match.



Image 2.2: The reverse side of one LED strip, showing the adhesive backing for secure installation within the TV panel.

2.2 Installation Procedure

Installation of LED backlight strips requires disassembling the television panel. This process involves handling delicate electronic components and can be complex. It is highly recommended that installation be performed by a qualified technician or an individual with experience in TV repair.
General steps for installation include:

1. Safely disconnect the TV from all power sources and external devices.
2. Carefully disassemble the TV casing and display panel to access the existing backlight assembly. Refer to your specific TV model's service manual for detailed disassembly instructions.
3. Gently remove the old, faulty backlight strips.
4. Install the new PANMILED backlight strips, ensuring they are correctly aligned and securely connected to the TV's power board. The strips feature connectors at their ends for this purpose.

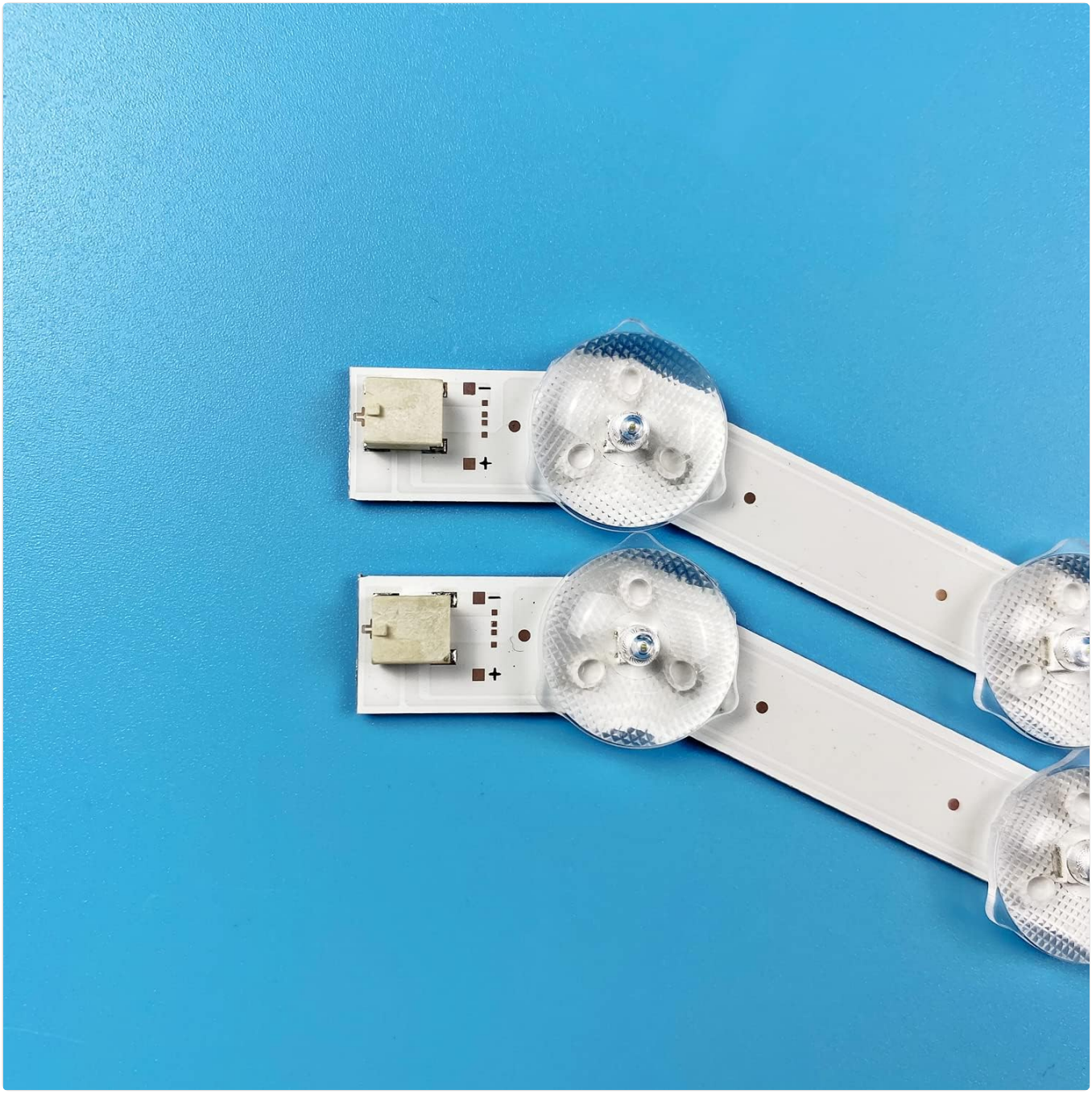


Image 2.3: Detailed view of the electrical connectors on the LED backlight strips, which connect to the TV's power supply.

5. Carefully reassemble the TV, ensuring all cables are properly connected and no components are pinched.
6. Test the TV's functionality before fully securing the casing.

Warning: Attempting installation without proper knowledge or tools can result in damage to the television or personal injury. Always exercise caution and consult professional assistance if unsure.

3. Operating Instructions

The PANMILED LED Backlight Strips are passive components that function automatically once correctly installed within the television. They do not require any user interaction or configuration after installation. The TV's internal circuitry controls their operation, including brightness and on/off states.

4. Maintenance

These LED backlight strips are designed to be maintenance-free. Once installed, they are sealed within the television's

display assembly and do not require cleaning or routine servicing.

- Avoid exposing the strips to excessive moisture or extreme temperatures.
- Do not attempt to bend or physically alter the strips, as this can damage the LEDs or the circuit board.
- If the TV requires further internal servicing, ensure that the backlight strips are handled with care to prevent damage.

5. Troubleshooting

If your television's display issues persist after installing the new backlight strips, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
No backlight / Dark screen	• Incorrect installation or loose connection. • Incompatible backlight strips. • Faulty TV power board or main board.	• Re-check all connections to ensure they are secure. • Verify that the installed strips match your TV's original part numbers. • Consult a professional technician to diagnose other TV components.
Flickering or uneven lighting	• One or more LEDs are faulty. • Poor connection. • Power supply issue from the TV.	• Inspect individual LEDs for visible damage. • Ensure all strip connectors are firmly seated. • Professional diagnosis of TV's power supply.

If troubleshooting steps do not resolve the issue, it is advisable to seek assistance from a qualified television repair specialist.

6. Specifications

- **Product Type:** LED Backlight Strip
- **Brand:** PANMILED
- **Compatible TV Size:** 32 inches (Samsung TVs)
- **Strip Length:** Approximately 23.11 inches (58.7 cm)
- **LEDs per Strip:** 12 beads
- **LED Bead Voltage:** 3V per bead
- **Quantity per Set:** 2 pieces
- **Material:** Aluminum (base for the strip)
- **Item Weight:** 6.4 ounces (approx. for the set)
- **Water Resistance:** Not Water Resistant
- **Manufacturer:** PANMILED
- **ASIN:** B0B58X2V4G
- **UPC:** 750439530400
- **First Available Date:** June 28, 2022

7. Warranty and Support

PANMILED provides a **180-day after-sales service guarantee** for these LED backlight strips from the date of purchase.

This warranty covers manufacturing defects and ensures product functionality under normal use.
For any questions, concerns, or assistance regarding the product, compatibility, or warranty claims, please do not hesitate to contact PANMILED customer service. Our support team aims to respond to inquiries within 24 hours to address your needs.
You can typically find contact information through the retailer where the product was purchased or by visiting the official PANMILED store page on Amazon: PANMILED Amazon Store.

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