

Manuals.plus /

› MKGPLPVEZE /

› MKGPLPVEZE LED Backlight Strip Instruction Manual for LG Innotek DRT 3.0 32" TVs

MKGPLPVEZE MKGPLPVEZE

MKGPLPVEZE LED Backlight Strip Instruction Manual

For LG Innotek DRT 3.0 32" TVs

1. INTRODUCTION

This manual provides essential information for the installation and characteristics of the MKGPLPVEZE LED Backlight Strip. This product is designed as a replacement component for specific LG 32-inch television models. Please read all instructions carefully before proceeding with installation.

2. SAFETY PRECAUTIONS

Working with electronic components, especially inside a television, requires caution. Improper handling can lead to electric shock, damage to the product, or damage to the television. It is recommended that installation be performed by a qualified technician.

- Always disconnect the television from the power source before beginning any disassembly or installation.
- Discharge any residual power in the television's capacitors before touching internal components.
- Wear anti-static gloves to prevent electrostatic discharge (ESD) damage to sensitive electronic parts.
- Handle LED strips by their edges to avoid damaging the LEDs or circuit board.

3. PACKAGE CONTENTS

The package includes the following items:

- 3 x LED Backlight Strips (6 LEDs per strip)



Image: Overview of the three LED backlight strips included in the package.

4. COMPATIBILITY INFORMATION

These LED backlight strips are compatible with various LG 32-inch TV models that utilize the Innotek DRT 3.0 32"_A/B backlight system. Please verify your TV's model number and existing backlight strip markings before

purchase and installation.

Compatible LG TV Models:

- 32LB582D
- 32LB565U
- 32LB563U
- 32LY330C
- 32LF560D

Compatible Panel Part Numbers:

- HC320DXN-VHHS2-51XX
- Innotek DRT 3.0 32"_A/B Type Rev0.2



Image: Detailed view of the backlight strip, highlighting the 'IT AB' and 'Innotek DRT3.0 32" A B Type Rev0.2' identification markings.

5. INSTALLATION GUIDE

The installation of these LED backlight strips involves disassembling the television panel. This process requires technical knowledge and specialized tools. If you are not experienced in TV repair, it is strongly recommended to seek professional assistance.

General Steps (Consult a service manual for your specific TV model for detailed instructions):

1. **Preparation:** Disconnect the TV from power. Place the TV face down on a soft, clean surface to prevent screen damage.
2. **Disassembly:** Carefully remove the TV's back cover, stand, and any internal components (e.g., main board, power supply board, speakers) that obstruct access to the display panel.
3. **Panel Removal:** Gently detach the LCD panel and diffuser layers. Extreme care is required to avoid cracking the panel.
4. **Old Strip Removal:** Locate the existing LED backlight strips. Disconnect their power connectors and carefully peel them off the TV chassis.
5. **New Strip Installation:** Align the new MKGPLPVEZE LED backlight strips in the chassis. Ensure they are securely attached and their connectors match the TV's wiring.



Image: Detail of the electrical connector on the LED backlight strip, showing connection points.

6. **Reassembly:** Carefully reassemble the diffuser layers, LCD panel, and all other TV components in reverse order. Ensure all cables are properly connected and secured.
7. **Testing:** Before fully securing the back cover, connect the TV to power and test the backlight functionality. If the backlight illuminates correctly, proceed to fully reassemble the TV.

6. PRODUCT CHARACTERISTICS

These LED backlight strips are designed to provide reliable performance as a replacement component.

- **Brightness:** Capable of producing high brightness levels, up to 700 nits, for clear display illumination.
- **Lifespan:** Engineered for a long operating life, typically exceeding 100,000 hours.
- **Energy Efficiency:** Designed to be energy-saving compared to older backlight technologies.
- **Environmental Considerations:** Constructed with materials intended to be more environmentally friendly.

7. SPECIFICATIONS

Feature	Specification
Brand	MKGPLPVEZE
Model Number	MKGPLPVEZE
Strip Length	590 mm
Number of LED Beads per Strip	6
Individual LED Lamp Voltage	6 V
Package Quantity	3 Pieces/set
Item Weight (Total)	1.76 ounces (50 Grams)
Package Dimensions	1.18 x 0.79 x 0.39 inches

8. TROUBLESHOOTING

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

- **No Picture/Dim Picture:** Ensure all connectors for the LED strips and other internal components are securely seated. Verify the power supply to the backlight circuit.
- **Uneven Lighting:** Check that the diffuser sheets are correctly aligned and free from dust or debris. Ensure the LED strips are flat and properly adhered to the chassis.
- **Flickering:** This could indicate a faulty connection or an issue with the TV's power supply board. Recheck connections or consult a professional.

If problems persist, it is advisable to consult a professional television repair technician.

9. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or returns, please refer to the seller or manufacturer directly. Contact details are typically provided at the point of purchase or on the product packaging.