

[Manuals.plus](#) /

> [LOTOAK](#) /

> LED Backlight Bar Strip Compatible with Erisson 43LES70T2 Inno-Hit IH43E30 5800-W43001-5P00 VER02.00 02K03117A 05-1A035A-03A

LOTOAK 5800-W43001-5P00, VER02.00, 02K03117A, 05-1A035A-03A, 5850-W43006-0P00, 5800-W43001-3P00, 5850-W43019-0P00

LED Backlight Bar Strip User Manual

Model: 5800-W43001-5P00, VER02.00, 02K03117A, 05-1A035A-03A, 5850-W43006-0P00, 5800-W43001-3P00, 5850-W43019-0P00

Brand: LOTOAK

INTRODUCTION

This user manual provides essential information for the installation, operation, and maintenance of your LOTOAK LED Backlight Bar Strip. This product is designed as a replacement or upgrade component for compatible TV models, ensuring long service life and energy efficiency.

The LED backlight strips are fixed in length and cannot be cut. They offer a more environmentally friendly and easy-to-install solution for display backlighting.

SAFETY INFORMATION

Please read and understand all safety precautions before attempting installation or handling the product. Failure to do so may result in injury or damage to the product or display.

- **Power Disconnection:** Always disconnect the power from the television or display unit before beginning any installation or repair work.
- **Static Electricity:** Wear anti-static gloves or a wrist strap to prevent electrostatic discharge (ESD) damage to sensitive electronic components.
- **Handle with Care:** LED strips are delicate. Avoid bending, twisting, or applying excessive force, which can damage the LEDs or circuit board.
- **Professional Installation:** If you are not comfortable with electronic repairs, seek assistance from a qualified technician.
- **Ventilation:** Ensure proper ventilation around the display unit after installation to prevent overheating.

PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package.

- LOTOAK LED Backlight Bar Strips (Quantity may vary based on specific TV model requirements)



Image: A set of LOTOAK LED backlight bar strips, showing their uniform design and individual LED placement.

SETUP AND INSTALLATION

This section outlines the general steps for replacing or installing LED backlight strips. Specific procedures may vary depending on your television model. Refer to your TV's service manual for detailed disassembly instructions.

1. **Prepare the Workspace:** Ensure a clean, well-lit, and static-free environment. Lay down a soft cloth or mat to protect the TV screen.
2. **Disconnect Power:** Unplug the television from the power outlet and disconnect all external cables.
3. **Disassemble the TV:** 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. Document screw locations and cable connections.
4. **Remove the Display Panel:** With extreme caution, detach and lift the LCD/LED display panel. This is the most fragile part of the TV. Place it face down on a clean, soft surface.
5. **Access Backlight Assembly:** Remove the diffuser sheets and reflective layers to expose the old LED backlight strips.
6. **Remove Old Strips:** Carefully peel off or unclip the old LED strips. Note their orientation and connection points.

7. **Install New Strips:** Align the new LOTOAK LED backlight strips with the mounting points. Ensure the connectors match the existing wiring. The strips are designed for a fixed length and cannot be cut.

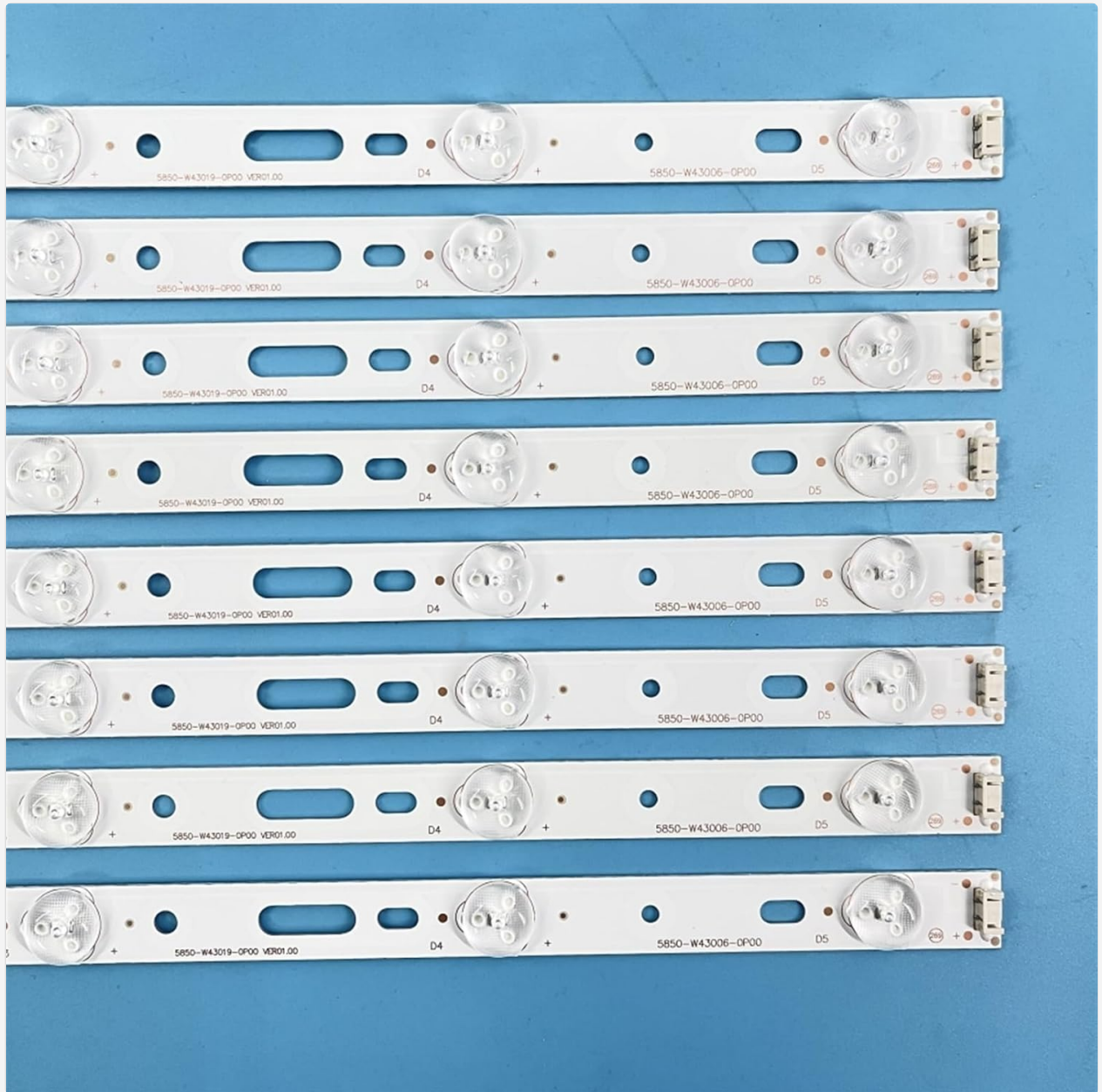


Image: Detailed view of the electrical connectors on the LED strips, crucial for proper installation.



Image: A close-up showing the individual LED lenses and circuit board markings, including part numbers like 5800-W43001-3P00.

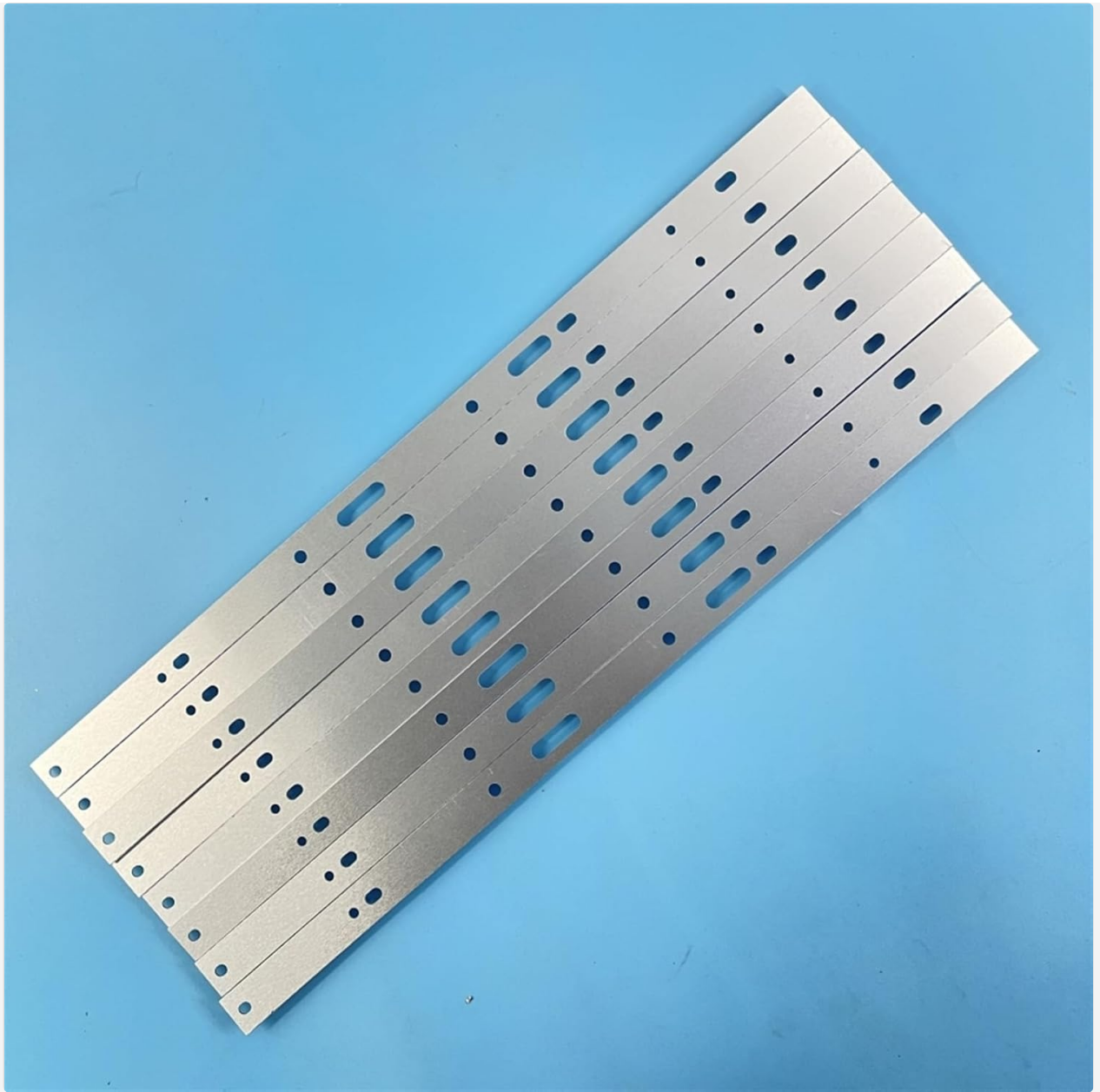


Image: The reverse side of the LED strips, illustrating the mounting holes and adhesive backing (if present) for secure placement within the display.

8. **Test Functionality:** Before reassembling the entire TV, temporarily connect the power supply and test the new backlight strips to ensure they illuminate correctly.
9. **Reassemble the TV:** Carefully reassemble the TV in reverse order of disassembly. Ensure all screws are tightened and cables are properly connected.

OPERATING PRINCIPLES

The LOTOAK LED Backlight Bar Strip functions as the primary light source for your television's display panel. When power is supplied, the LEDs emit light that passes through diffuser layers and the LCD panel, creating the image you see. These strips are designed for high brightness (up to 700 nits) and long operational life, typically exceeding 100,000 hours.

The fixed length design ensures compatibility with specific display sizes and models, providing optimal light distribution without the need for cutting or modification.

MAINTENANCE

The LED backlight strips are designed to be maintenance-free once installed. However, general care for your

television will contribute to the longevity of all its components, including the backlight.

- **Dust Prevention:** Keep the television free from excessive dust accumulation, especially around ventilation areas.
- **Temperature Control:** Operate the television within recommended temperature ranges to prevent overheating of internal components.
- **Avoid Physical Impact:** Protect the television from physical shocks or impacts that could damage the internal display or backlight assembly.

TROUBLESHOOTING

If you experience issues with your display's backlighting after installation, consider the following common problems and solutions:

Problem	Possible Cause	Solution
No backlight / Dark screen	Loose connection, faulty power supply to LEDs, incorrect strip installation.	Check all connections to the LED strips. Verify power supply board output. Re-check strip orientation and compatibility.
Uneven brightness / Dark spots	Damaged individual LEDs, improperly seated diffuser sheets, dust inside display.	Inspect LED strips for damaged LEDs. Ensure diffuser sheets are clean and correctly positioned. Clean any dust from inside the display assembly.
Flickering backlight	Unstable power supply, loose connection, failing LED driver.	Verify stable power input. Check connections. If problem persists, the LED driver board may need inspection by a technician.

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

SPECIFICATIONS

Feature	Detail
Brand	LOTOAK
Model Numbers (Compatible)	Erison 43LES70T2, Inno-Hit IH43E30, 5800-W43001-5P00, VER02.00, 02K03117A, 05-1A035A-03A, 5850-W43006-0P00, 5800-W43001-3P00, 5850-W43019-0P00
Type	LED Backlight Bar Strip
Length (Approx.)	404mm
LED Voltage	3V per LED
Lifespan	Typically more than 100,000 hours
Brightness	Up to 700 nits
Fixed Length	Cannot be cut

Feature	Detail
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.76 ounces (50 Grams)
Number of Pieces	1 (per package)



Image: This image displays the LED backlight strips along with key specifications such as length (404mm) and individual LED voltage (3V), confirming compatibility details.

WARRANTY AND SUPPORT

Specific warranty information for this LOTOAK LED Backlight Bar Strip is not provided in the product details. Please refer to the seller's return policy or contact the manufacturer directly for warranty inquiries.

For technical support or further assistance, please contact the vendor or manufacturer through their official

channels.

