Technical Precision ECLIPSE LV150-AZ-DKJU-8

Instruction Manual

Technical Precision Replacement Halogen Light Bulb

Product Overview

This manual provides essential information for the safe and effective use of the Technical Precision Replacement Halogen Light Bulb, specifically designed for the Nikon Eclipse Lv150 microscope. This 12V, 50W clear bipin halogen bulb features a G6.35 (GY6.35, GZ6.35) base, ensuring compatibility and optimal performance for your microscopy needs.

Image: Front view of the Technical Precision replacement halogen light bulb with its G6.35 base.

Setup and Installation

Proper installation is crucial for the longevity and performance of your new halogen bulb. Always ensure the microscope is powered off and unplugged before beginning any installation or maintenance.

Safety Precautions:

- **WARNING:** Halogen bulbs operate at high temperatures. Allow the old bulb to cool completely before handling.
- Avoid touching the glass part of the new bulb with bare hands. Oils from your skin can create hot spots, leading to premature failure. Use a clean cloth or gloves.
- Ensure the microscope is disconnected from the power source to prevent electrical shock.

Installation Steps:

1. Locate the lamp housing on your Nikon Eclipse Lv150 microscope. Refer to your microscope's specific user manual for exact location and access instructions.
2. Carefully open the lamp housing cover.

3. Gently remove the old bulb from its socket. Note the orientation of the pins.
4. Holding the new Technical Precision bulb by its ceramic base or with a clean cloth, align the two pins of the G6.35 base with the corresponding holes in the socket.
5. Insert the bulb firmly but gently into the socket until it is fully seated.
6. Close the lamp housing cover securely.
7. Reconnect the microscope to the power source.

Image: The compact size of the halogen bulb, shown held in a hand, emphasizing careful handling during installation.

Operating Instructions

Once the new halogen bulb is correctly installed, you can resume normal operation of your Nikon Eclipse Lv150 microscope.

- Turn on the microscope's power switch.
- Adjust the light intensity using the microscope's illumination control knob to achieve the desired brightness for your observation.
- Allow a few moments for the bulb to reach full brightness.

Maintenance

Regular maintenance helps ensure optimal performance and extends the life of your halogen bulb.

- **Cleaning:** If the bulb's glass surface becomes dirty or smudged, gently wipe it with a clean, lint-free cloth moistened with isopropyl alcohol. Ensure the bulb is cool and disconnected from power before cleaning.
- **Replacement:** Halogen bulbs have a finite lifespan. Replace the bulb when you notice a significant decrease in brightness, flickering, or when the filament breaks. Always have a spare bulb on hand.
- **Storage:** Store spare bulbs in their original packaging in a cool, dry place to protect them from dust and damage.

Troubleshooting

If you encounter issues with your halogen bulb, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Bulb does not light up.	◦ Bulb not properly seated. ◦ Blown filament. ◦ Microscope not powered on/unplugged. ◦ Faulty microscope power supply.	◦ Ensure microscope is unplugged, then re-seat the bulb firmly. ◦ Replace the bulb with a new one. ◦ Check power connections and microscope power switch. ◦ Consult a qualified technician for microscope repair.
Light is dim or flickering.	◦ Bulb nearing end of life. ◦ Dirty bulb surface. ◦ Unstable power supply.	◦ Replace the bulb. ◦ Clean the bulb surface (ensure cool and unplugged). ◦ Check power outlet and connections.

Specifications

Key technical specifications for the Technical Precision Replacement Halogen Light Bulb:

- **Brand:** Technical Precision
- **Model:** Replacement for Nikon Eclipse Lv150
- **Light Type:** Halogen
- **Voltage:** 12 Volts
- **Wattage:** 50 Watts
- **Bulb Base:** G6.35 (also compatible with GY6.35, GZ6.35)
- **Bulb Shape Size:** T (Tubular)
- **Product Dimensions:** Approximately 1"W x 2"H (1 x 1 x 2 inches)
- **Material:** Copper (for base/pins)
- **Light Color:** Clear
- **Special Feature:** Energy Efficient

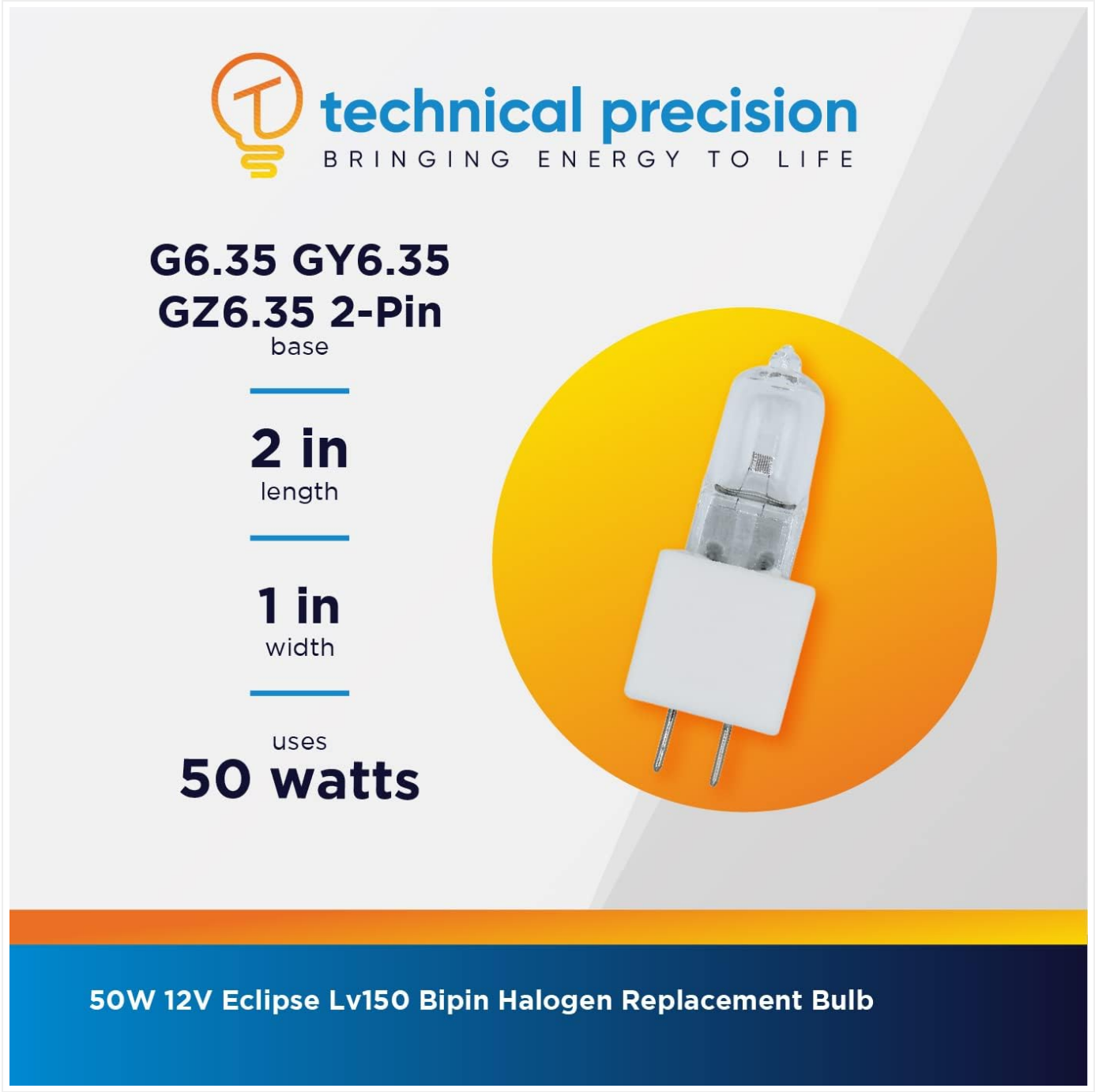

Image: Graphic illustrating the dimensions and base type of the Technical Precision halogen bulb.

Warranty and Support

Technical Precision stands behind the quality of its products. While specific warranty details may vary, most products are covered by a standard return policy.

- **Return Policy:** This product typically includes a 30-day return policy for refunds or replacements, subject to the retailer's terms and conditions.
- **Customer Support:** For any questions, technical assistance, or warranty claims, please contact Technical Precision directly through their official channels or the retailer from whom the product was purchased.
- **Online Resources:** Visit the Technical Precision Store on Amazon for additional product information and support.

General Information

Learn more about Technical Precision and their commitment to providing lighting and energy solutions.

Your browser does not support the video tag.

Video: An overview of Technical Precision, showcasing their range of lighting and energy solutions for various applications, including homes, outdoors, appliances, medical facilities, schools, and offices.