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› Instruction Manual: Replacement for Leica Galen III Light Bulb

Technical Precision GALEN III-AZ-2RDW-3

Instruction Manual: Replacement for Leica Galen III Light Bulb

Brand: Technical Precision

1. PRODUCT OVERVIEW

This document provides essential information for the safe and effective use of the Technical Precision Replacement Light Bulb for Leica Galen III systems. This bulb is designed as a direct replacement component.

The bulb is a halogen type, operating at 6 Volts and 20 Watts, with a color temperature of 3200 Kelvin and an average life of 100 hours. It is constructed from glass and features a two-pin base for installation.



Figure 1: Front view of the replacement light bulb, showing the clear glass envelope and the two electrical pins at the base.

2. SAFETY INFORMATION

Please read and understand all safety instructions before handling or installing the light bulb. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- **Disconnect Power:** Always ensure the power supply to the equipment is completely disconnected and locked out before attempting to install, remove, or service the light bulb.
- **Handle with Care:** Halogen bulbs can become very hot during operation. Allow the bulb to cool completely before handling. Avoid touching the glass part of the bulb with bare hands, as oils from the skin can cause hot spots and reduce bulb life. Use a clean cloth or gloves.
- **Correct Voltage and Wattage:** Ensure the replacement bulb's voltage (6 Volts) and wattage (20 Watts) match the requirements of your Leica Galen III system. Using an incorrect bulb can damage the equipment or pose a fire hazard.
- **Disposal:** Dispose of old bulbs according to local regulations.
- **Indoor Use Only:** This bulb is intended for indoor use within compatible equipment.

3. SETUP AND INSTALLATION

This section outlines the general procedure for replacing a light bulb in compatible equipment. Refer to your Leica Galen III system's specific service manual for detailed instructions and safety precautions related to your device.

1. **Power Off:** Ensure the Leica Galen III system is turned off and unplugged from its power source. Allow sufficient time for the old bulb to cool down if it was recently in use.
2. **Access Bulb Compartment:** Locate and open the bulb access compartment on your Leica Galen III system. This may involve removing screws or opening a latch.
3. **Remove Old Bulb:** Carefully grasp the old bulb (preferably with a cloth or gloves) and gently pull it straight out from its socket. Avoid twisting if the socket is designed for straight insertion/removal.
4. **Inspect Socket:** Check the bulb socket for any debris, corrosion, or damage. Clean if necessary.
5. **Insert New Bulb:** Holding the new Technical Precision bulb with a clean cloth or gloves (to avoid touching the glass), align its two pins with the corresponding holes in the socket. Gently push the bulb straight into the socket until it is firmly seated. Do not force the bulb.
6. **Secure Compartment:** Close and secure the bulb access compartment.
7. **Test:** Reconnect the power to your Leica Galen III system and turn it on to verify the new bulb is functioning correctly.



Figure 2: Close-up view of the bulb's base, highlighting the two electrical pins for proper alignment during installation.

4. OPERATION

Once installed, the Technical Precision replacement bulb operates as part of your Leica Galen III system. Its function is to provide illumination when the system is powered on and the light source is activated.

- Ensure the bulb is correctly seated in its socket.
- Turn on the Leica Galen III system according to its operational guidelines.
- The bulb will illuminate, providing the necessary light for the system's intended use.

5. MAINTENANCE

Proper maintenance can help prolong the life of your light bulb and ensure optimal performance.

- **Cleaning:** If the glass envelope of the bulb becomes dirty, gently wipe it with a clean, lint-free cloth. For stubborn marks, a small amount of isopropyl alcohol on a cloth can be used, ensuring the bulb is completely dry before reinstallation or operation. Always ensure the bulb is cool and power is disconnected before cleaning.
- **Handling:** Always handle the bulb by its base or with a clean cloth/gloves to prevent skin oils from contaminating the glass.
- **Storage:** Store spare bulbs in their original packaging in a cool, dry place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If the light bulb does not function after installation, consider the following troubleshooting steps:

- **No Light:**
 - Ensure the Leica Galen III system is properly plugged in and receiving power.
 - Verify that the bulb is fully and correctly seated in its socket. Gently push it in further if it feels loose.
 - Check if the system's power switch or light activation switch is in the "on" position.
 - Inspect the bulb for any visible damage, such as a broken filament or cracked glass. If damaged, replace the bulb.
 - If possible, test the bulb in another compatible system or test the system with a known working bulb to isolate the issue.
- **Dim Light or Flickering:**
 - This could indicate the bulb is nearing the end of its life.
 - Ensure the power supply to the system is stable and within the specified voltage range.
 - Check for loose connections in the bulb socket or within the system.

If troubleshooting steps do not resolve the issue, consult the service manual for your Leica Galen III system or contact a qualified technician.

7. SPECIFICATIONS

Attribute	Value
Brand	Technical Precision
Model Number	GALEN III-AZ-2RDW-3
Voltage	6 Volts
Wattage	20 Watts
Material	Glass
Color Temperature	3200 Kelvin
Average Life	100 Hours
Bulb Length	1.18 Inches
Item Package Quantity	1
Included Components	Replacement Part

8. WARRANTY AND SUPPORT

This product is offered by Technical Precision. For information regarding returns or replacements, please refer to the retailer's return policy where the product was purchased. Typically, a 30-day return/replacement policy may apply.

For further assistance or inquiries about Technical Precision products, please visit the official [Technical Precision Store on Amazon](#) or contact their customer support channels as provided by the seller.

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Note: This bulb is not manufactured by Leica.