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› Technical Precision Replacement Light Bulb for Olympus BH2-RFC Instruction Manual

Technical Precision BH2-RFC-AZ-3RKT-8

Technical Precision Replacement Light Bulb for Olympus BH2-RFC

Model: BH2-RFC-AZ-3RKT-8

INTRODUCTION

This instruction manual provides essential information for the safe and effective installation, operation, and maintenance of your Technical Precision replacement light bulb, specifically designed for the Olympus BH2-RFC microscope. Please read this manual thoroughly before installation and retain it for future reference.

SAFETY INFORMATION

Observe the following safety precautions to prevent injury or damage to the product and equipment:

- **Disconnect Power:** Always ensure the microscope is powered off and unplugged from the electrical outlet before attempting any installation or maintenance.
- **Allow Cooling:** The old bulb can be extremely hot. Allow sufficient time for the bulb to cool completely before handling to prevent burns.
- **Handle with Care:** Avoid touching the glass part of the new bulb directly with bare hands. Oils from your skin can create hot spots, leading to premature bulb failure. Use a clean cloth or gloves.
- **Proper Disposal:** Dispose of old bulbs according to local regulations for electronic waste.
- **Voltage Compatibility:** Ensure the replacement bulb's voltage (20 Volts) and wattage (100 Watts) match the requirements of your Olympus BH2-RFC microscope.

PACKAGE CONTENTS

Verify that all items are present upon opening the package:

- 1 x Technical Precision Replacement Light Bulb (Part Number: BH2-RFC-AZ-3RKT-8)

INSTALLATION INSTRUCTIONS

Follow these steps to safely replace the light bulb in your Olympus BH2-RFC microscope:

1. **Power Off and Unplug:** Turn off the microscope's power switch and unplug the power cord from the wall outlet.
2. **Allow Cooling:** Wait for at least 15-20 minutes for the old bulb to cool down completely.
3. **Locate Bulb Housing:** Refer to your Olympus BH2-RFC microscope's original manual to locate the lamp housing or bulb access panel. This is typically found at the base or rear of the microscope.
4. **Open Access Panel:** Carefully open or remove the lamp housing access panel. This may involve unscrewing a cover or releasing a latch.
5. **Remove Old Bulb:** Gently grasp the old bulb (using a cloth or gloves if still warm) and pull it straight out from its socket. Avoid twisting if the socket design does not require it.
6. **Insert New Bulb:** Using a clean cloth or gloves, carefully insert the new Technical Precision replacement bulb into the socket. Ensure it is fully seated and secure. *Do not force the bulb.*
7. **Secure Housing:** Close and secure the lamp housing access panel.
8. **Restore Power:** Plug the microscope's power cord back into the electrical outlet.



Figure 1: The Technical Precision replacement light bulb. Handle with care, avoiding direct contact with the glass surface.

OPERATING INSTRUCTIONS

After successful installation of the replacement bulb, operate your Olympus BH2-RFC microscope as follows:

1. **Power On:** Turn on the main power switch of your Olympus BH2-RFC microscope.
2. **Adjust Brightness:** Use the microscope's built-in brightness control knob to adjust the illumination to your desired level.
3. **Observe:** Proceed with your microscopic observations.

MAINTENANCE

Proper maintenance ensures optimal performance and longevity of your replacement bulb:

- **Cleaning:** If the bulb's glass surface becomes dirty, gently wipe it with a clean, lint-free cloth moistened with isopropyl alcohol. Ensure the bulb is cool and the microscope is unplugged before cleaning.
- **Replacement Frequency:** The average life of this bulb is approximately 200 hours. Consider replacing the bulb when you notice a significant decrease in brightness or inconsistent illumination, even if it has not reached its full average lifespan.

TROUBLESHOOTING

If you encounter issues after installing the new bulb, refer to the following common problems and solutions:

- **Bulb Does Not Light Up:**

- Ensure the microscope is properly plugged into a working electrical outlet.
- Verify the microscope's power switch is in the 'ON' position.
- Check if the bulb is securely seated in its socket.
- Inspect the bulb for any visible damage or broken filaments. If damaged, replace the bulb.

- **Bulb is Dim or Flickering:**

- Confirm the brightness control on the microscope is set to an appropriate level.
- The bulb may be nearing the end of its average lifespan (200 hours) and requires replacement.
- Ensure the bulb's glass surface is clean and free of smudges or debris.

If these steps do not resolve the issue, consult the original Olympus BH2-RFC microscope manual or contact Technical Precision customer support.

SPECIFICATIONS

Brand	Technical Precision
Part Number	BH2-RFC-AZ-3RKT-8
Voltage	20 Volts
Wattage	100 Watts
Average Life	200 Hours
Bulb Length	3.54 Inches

WARRANTY AND SUPPORT

Technical Precision products are manufactured to high standards. For information regarding warranty coverage or technical assistance, please contact Technical Precision directly. Keep your purchase receipt as proof of purchase.

For support, please visit the Technical Precision website or refer to the contact information provided with your purchase.