

[Manuals.plus](#) /

- › [Technical Precision](#) /
- › Technical Precision Replacement for Leica Dmil Light Bulb Instruction Manual

Technical Precision DMIL-AZ-D89E-7

Technical Precision Replacement for Leica Dmil Light Bulb Instruction Manual

Model: DMIL-AZ-D89E-7 | Brand: Technical Precision

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Technical Precision Replacement for Leica Dmil Halogen Light Bulb. Please read these instructions carefully before installation and retain for future reference.

2. PRODUCT OVERVIEW

The Technical Precision Replacement for Leica Dmil Light Bulb is a 35W, 6V halogen bulb designed for microscope lighting applications. It features a T3 bulb shape with a 2-pin G4 base, providing clear illumination.



Figure 2.1: Front view of the Technical Precision Replacement Halogen Bulb, showing its clear glass and two-pin G4 base.



Figure 2.2: Angled view of the Technical Precision Replacement Halogen Bulb, highlighting the internal filament structure.

3. SAFETY INFORMATION

Always observe the following safety precautions:

- **Risk of Burns:** Halogen bulbs operate at high temperatures. Allow the bulb to cool completely before handling.
- **Electrical Shock Hazard:** Always disconnect power to the fixture before installing, removing, or inspecting the bulb.
- **Handle with Care:** Avoid touching the glass part of the bulb with bare hands. Oils from your skin can create hot spots, leading to premature failure. Use a clean cloth or gloves when handling.
- **Proper Disposal:** Dispose of old bulbs according to local regulations.
- **Compatibility:** Ensure the replacement bulb's specifications (voltage, wattage, base type) match the requirements of your equipment.

4. INSTALLATION

Follow these steps to install the replacement halogen bulb:

1. **Disconnect Power:** Turn off and unplug the microscope or lighting fixture from the power source.
2. **Allow Cooling:** If the previous bulb was in use, wait for it to cool down completely to avoid burns.
3. **Access Bulb:** Carefully open the lamp housing or access panel to expose the old bulb. Refer to your microscope's or fixture's manual for specific instructions on accessing the bulb.
4. **Remove Old Bulb:** Gently pull the old bulb straight out from its G4 base. Avoid twisting or bending the pins.
5. **Install New Bulb:** Holding the new bulb with a clean cloth or gloves, align the two pins with the holes in the G4 socket. Gently push the bulb straight into the socket until it is firmly seated. Do not force it.
6. **Secure Housing:** Close and secure the lamp housing or access panel.
7. **Restore Power:** Plug the microscope or lighting fixture back into the power source.

5. OPERATION

Once installed, the halogen bulb operates as part of your microscope or lighting fixture. Simply turn on the device's power switch to illuminate the bulb. Adjust brightness settings as per your equipment's controls.

6. MAINTENANCE

Halogen bulbs generally require minimal maintenance. However, periodic checks can prolong their lifespan and ensure optimal performance:

- **Cleaning:** If the bulb's glass surface becomes dusty or smudged, ensure the bulb is cool and power is disconnected. Gently wipe the glass with a clean, lint-free cloth moistened with rubbing alcohol. Allow to dry completely before re-energizing.
- **Inspection:** Periodically inspect the bulb and its socket for any signs of damage, corrosion, or loose connections. Replace the bulb if the glass is cracked or the filament is broken.

7. TROUBLESHOOTING

If the bulb does not light up after installation, consider the following:

- **No Power:** Ensure the microscope or lighting fixture is properly plugged in and the power switch is on. Check the power outlet.
- **Incorrect Installation:** Verify that the bulb is fully and correctly seated in its socket. The pins must make proper contact.
- **Blown Fuse/Circuit Breaker:** Check the fuse or circuit breaker for the lighting fixture or the electrical circuit it is connected to.
- **Defective Bulb:** Although rare, a new bulb can sometimes be defective. If possible, test with another known-good bulb.
- **Fixture Issue:** If all else fails, the issue might be with the lighting fixture itself (e.g., faulty socket, wiring, or internal component). Consult a qualified technician.

8. SPECIFICATIONS

Attribute	Value
Brand	Technical Precision
Model Number	DMIL-AZ-D89E-7
Light Type	Halogen
Wattage	35 Watts
Voltage	6 Volts (as per product title)
Bulb Shape Size	T3
Bulb Base	G4 (2-Pin)
Brightness	1585 Lumens
Finish Type	Clear
Unit Count	1 Pack

Lighting Facts <i>per Bulb</i>	
Brightness	1585 Lumens
Life	10 Years
<i>Based on 3 hrs/day</i>	
Estimated Yearly Energy Cost	\$1.64
<i>Based on 3 hrs/day @ 10 cents/kWh</i>	
Energy Used	35 Watts
Light Appearance	

Figure 8.1: Lighting Facts for the bulb, detailing brightness, estimated life, and energy usage.

9. WARRANTY AND SUPPORT

For information regarding warranty, returns, or technical support, please refer to the official Technical Precision website or contact their customer service directly. You can also visit the [Technical Precision Store on Amazon](#) for more details.

