

## Technical Precision AZ-2GLZ-8

# Instruction Manual

## REPLACEMENT FOR MITUTOYO PH3500 PROFILE LIGHT BULB

Brand: Technical Precision | Model: AZ-2GLZ-8

### 1. Product Overview

This document provides essential information for the installation, operation, and maintenance of the Technical Precision Replacement Light Bulb for MITUTOYO PH3500 Profile Projectors. This bulb is designed as a direct replacement component.

*Note: This bulb is not manufactured by MITUTOYO.*

### 2. Safety Information

Always observe the following safety precautions when handling or installing light bulbs:

- Ensure the power supply to the equipment is completely disconnected before attempting any installation or replacement.
- Allow the old bulb to cool down completely before removal to prevent burns.
- Handle the new bulb by its base or with a clean cloth/gloves to avoid transferring oils from your skin, which can reduce bulb life.
- Do not exceed the specified voltage or wattage for the equipment.
- Dispose of old bulbs according to local regulations.

### 3. Setup and Installation

Follow these steps to replace the light bulb in your MITUTOYO PH3500 Profile Projector:

1. **Power Disconnection:** Turn off the MITUTOYO PH3500 Profile Projector and unplug it from the power source. Allow sufficient time for the existing bulb to cool.
2. **Access Bulb Compartment:** Locate and open the bulb access panel on your projector. Refer to your MITUTOYO PH3500 user manual for specific instructions on accessing the bulb compartment.
3. **Remove Old Bulb:** Carefully grasp the base of the old bulb and gently pull it straight out from its socket. Avoid twisting if the base is a push-in type.

4. **Insert New Bulb:** Holding the new Technical Precision replacement bulb by its base or with a clean, lint-free cloth, align the pins (GY6.35 base) with the socket holes. Gently push the bulb straight into the socket until it is firmly seated. Do not force the bulb.
5. **Secure Compartment:** Close and secure the bulb access panel.
6. **Power Connection:** Plug the projector back into the power source.
7. **Test Functionality:** Turn on the projector to verify that the new bulb is functioning correctly.



Image: Front view of the Technical Precision replacement light bulb, showing its clear glass body and two metal pins (GY6.35 base) extending from the bottom for electrical connection. The filament is visible inside.



Image: Angled view of the Technical Precision replacement light bulb, highlighting its tubular glass shape and the two-pin GY6.35 base. The internal filament structure is clearly visible.

## 4. Operating Instructions

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Once installed, the replacement bulb operates as part of the MITUTOYO PH3500 Profile Projector's illumination system. Its function is to provide the necessary light source for accurate profile measurement and inspection.

- The bulb will illuminate when the projector is powered on and the illumination system is activated.
- Refer to your MITUTOYO PH3500 user manual for specific instructions on adjusting light intensity or other illumination settings.

## 5. Maintenance

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Proper maintenance can extend the life of your replacement bulb:

- **Cleaning:** If the bulb requires cleaning, ensure the projector is off and the bulb is cool. Use a clean, dry, lint-free cloth to gently wipe the glass. Avoid abrasive cleaners or excessive pressure.
- **Handling:** Always handle the bulb by its base or with gloves to prevent oils from your skin from depositing on the glass, which can create hot spots and reduce bulb life.
- **Storage:** If storing a spare bulb, keep it in its original packaging in a cool, dry place away from direct sunlight and extreme temperatures.

## 6. Troubleshooting

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If the replacement bulb does not function as expected, consider the following:

- **Bulb Not Lighting:**
  - Ensure the projector is properly plugged into a working power outlet.
  - Verify that the bulb is fully seated in its socket. Gently push it in further if necessary.
  - Check the projector's fuse or circuit breaker, if applicable.
  - Confirm that the projector's illumination switch or control is in the "on" position.
  - If you have a spare bulb, try installing it to rule out a defective bulb.
- **Dim or Flickering Light:**
  - This could indicate the bulb is nearing the end of its lifespan.

- Ensure the projector's voltage supply is stable and within specifications.
- Check for any loose connections in the bulb socket or projector wiring.

If issues persist after troubleshooting, consult a qualified technician or refer to the original MITUTOYO PH3500 service manual.

## 7. Specifications

Attribute	Value
Brand	Technical Precision
Model Name	AZ-2GLZ-8
Light Type	LED (Note: Product description states Incandescent, but specifications list LED. Following specifications for this section.)
Wattage	150 watts
Bulb Shape Size	T8
Bulb Base	GY6.35
Voltage	22 Volts
Brightness	13 lumen
Color Temperature	3300 Kelvin
Average Life	50 Hours
Material	Glass
Included Components	Replacement Part

## 8. Warranty and Support

For information regarding warranty coverage or technical support for your Technical Precision replacement bulb, please contact the manufacturer directly. Details may be available on the product packaging or the Technical Precision website.

For support related to the MITUTOYO PH3500 Profile Projector itself, please refer to the original equipment manufacturer's documentation or support channels.

**Manufacturer:** Technical Precision

**Seller:** Technical Precision (via Amazon.com)

**Return Policy:** 30 days (refund/replacement) as per Amazon's Buy Box Winner information.

