

Technical Precision REFLECTA MB300

Technical Precision Replacement Light Bulb for Bowens REFLECTA MB300

User Manual

1. PRODUCT OVERVIEW

This document provides instructions for the installation, operation, and maintenance of the Technical Precision replacement light bulb, designed for use with Bowens REFLECTA MB300 studio lighting equipment. This bulb is a direct replacement and is not manufactured by Bowens.



Image 1.1: The Technical Precision replacement light bulb, featuring a clear glass envelope and two metal pins for connection.

2. SAFETY INFORMATION

- Always disconnect power to the lighting fixture before attempting to install or replace the bulb.
- Allow the old bulb to cool completely before removal to prevent burns.
- Handle the new bulb by its base or ceramic part, avoiding direct contact with the glass envelope. Oils from skin can reduce bulb life.
- Ensure the bulb's voltage and wattage match the requirements of your Bowens REFLECTA MB300 fixture.
- Dispose of old bulbs according to local regulations.

3. SETUP AND INSTALLATION

Follow these steps to safely install your new replacement light bulb:

1. **Power Disconnection:** Ensure the Bowens REFLECTA MB300 lighting unit is turned off and unplugged from the power source.
2. **Cool Down:** If replacing an existing bulb, wait for it to cool down completely.
3. **Remove Old Bulb:** Carefully grasp the old bulb by its base and gently pull it straight out from the socket. Avoid twisting if the socket is a push-in type.
4. **Insert New Bulb:** Align the two pins of the new Technical Precision bulb with the corresponding holes in the fixture's socket. Gently push the bulb straight into the socket until it is firmly seated. Do not force it.
5. **Reconnect Power:** Once the bulb is securely installed, plug the lighting unit back into the power source.
6. **Test:** Turn on the lighting unit to confirm the new bulb is functioning correctly.



Image 3.1: A close-up view of the bulb's G4 base, showing the two pins that insert into the fixture's socket.

4. OPERATING INSTRUCTIONS

Once installed, the Technical Precision replacement bulb operates identically to the original bulb in your Bowens REFLECTA MB300 unit. Simply use the power controls on your lighting fixture to turn the light on and off as needed.

- Avoid frequent on/off cycling, which can reduce bulb lifespan.
- Ensure adequate ventilation around the lighting fixture during operation to prevent overheating.

5. MAINTENANCE

Minimal maintenance is required for this light bulb. Follow these guidelines to ensure optimal performance and longevity:

- **Cleaning:** If the glass envelope becomes dusty or smudged, ensure the bulb is cool and the power is disconnected. Gently wipe the glass with a clean, lint-free cloth. Avoid using abrasive cleaners or

liquids.

- **Inspection:** Periodically inspect the bulb for any signs of damage or discoloration. Replace immediately if damage is observed.
- **Replacement:** The average life of this bulb is approximately 100 hours. Replace the bulb when its light output diminishes significantly or it ceases to function.

6. TROUBLESHOOTING

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

- **No Power:** Verify that the lighting fixture is properly plugged in and receiving power. Check the power switch and any circuit breakers.
- **Improper Installation:** Ensure the bulb is fully and correctly seated in the socket. Gently remove and reinsert it, ensuring the pins are aligned.
- **Damaged Bulb:** Inspect the bulb for any visible damage, such as a broken filament or cracked glass. If damaged, replace the bulb.
- **Fixture Issue:** If multiple bulbs fail to light in the same fixture, the issue might be with the fixture itself or its wiring. Consult a qualified technician.

7. SPECIFICATIONS

Key technical specifications for the Technical Precision Replacement Light Bulb:

Brand	Technical Precision
Model Name	REFLECTA MB300 (Replacement)
Light Type	Incandescent
Wattage	20 Watts
Voltage	6 Volts
Bulb Base	G4
Bulb Shape Size	T3
Color Temperature	3200 Kelvin
Average Life	100 Hours
Material	Glass
Included Components	Replacement Part (1 unit)

8. WARRANTY AND SUPPORT

For information regarding returns or product support, please refer to the retailer's return policy or contact Technical Precision directly. This product is a replacement part and its warranty terms may differ from the original equipment manufacturer.

For further assistance, please visit the [Technical Precision Store](#).

