

Technical Precision CE-20-2C-AZ-6Q00-4

Instruction Manual for Technical Precision Replacement Bulb

Model: CE-20-2C-AZ-6Q00-4

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Technical Precision Replacement Bulb, model CE-20-2C-AZ-6Q00-4. This product is designed as a direct replacement for the AMERICAN ULTRAVIOLET CE-20-2C lamp.

2. SAFETY INFORMATION

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

- **Disconnect Power:** Always ensure the power supply to the fixture is turned off at the circuit breaker before attempting any installation, removal, or maintenance.
- **Handle with Care:** This bulb is made of glass. Handle it carefully to prevent breakage. Do not drop or subject it to impact.
- **Proper Disposal:** Fluorescent bulbs may contain small amounts of mercury. Dispose of old bulbs according to local regulations. Do not dispose of in regular household waste.
- **Compatibility:** Use this bulb only in fixtures designed for the AMERICAN ULTRAVIOLET CE-20-2C lamp. Using it in incompatible fixtures may cause damage or safety hazards.
- **Do Not Touch Glass:** Avoid touching the glass part of the bulb with bare hands. Oils from your skin can create hot spots and reduce bulb life. Use gloves or a clean cloth if necessary.

3. PRODUCT DESCRIPTION

The Technical Precision CE-20-2C-AZ-6Q00-4 is a high-quality replacement lamp specifically engineered to match the performance and specifications of the original AMERICAN ULTRAVIOLET CE-20-2C bulb. It is designed for use in various ultraviolet (UV) applications, typically found in water purification systems, air sterilization units, or other specialized equipment requiring UV-C light.



Figure 1: End of the Technical Precision Replacement Bulb. This image shows the ceramic base and metal pins, which are crucial for proper electrical connection and fit within the fixture.

4. SETUP AND INSTALLATION

Follow these steps to safely install your new replacement bulb:

1. **Power Off:** Locate the circuit breaker that controls the power to the fixture where the bulb will be installed. Turn off the power completely. Verify that the power is off before proceeding.
2. **Access Fixture:** Open or access the fixture housing the old bulb. This may involve removing a cover or opening a latch.
3. **Remove Old Bulb:** Carefully grasp the old bulb, preferably with gloves or a cloth, and gently twist or pull it out of its sockets. Be mindful of any clips or retaining mechanisms.
4. **Inspect Fixture:** Before installing the new bulb, inspect the fixture's sockets and wiring for any signs of damage or corrosion. Address any issues before proceeding.
5. **Install New Bulb:** Align the pins of the new Technical Precision replacement bulb with the slots in the fixture's sockets. Gently push and/or twist the bulb into place until it is securely seated. Do not force the bulb.
6. **Secure Fixture:** Close or secure the fixture housing.
7. **Restore Power:** Return to the circuit breaker and restore power to the fixture.
8. **Test:** Turn on the light switch or activate the system to confirm the new bulb is functioning correctly.

5. OPERATING INSTRUCTIONS

Once installed, the Technical Precision replacement bulb operates automatically with your existing fixture. Simply turn on the power to the fixture, and the bulb will illuminate. Ensure the fixture's power source is stable and within the specified voltage range for optimal performance.

6. MAINTENANCE

To ensure the longevity and efficiency of your bulb:

- **Cleaning:** Periodically, and only when the power is off and the bulb is cool, gently wipe the glass surface of the bulb with a clean, dry, lint-free cloth to remove any dust or debris that may accumulate and reduce UV output. Do not use liquid cleaners.
- **Replacement Schedule:** UV lamps have a finite effective life. Consult your fixture's manual for recommended replacement intervals, typically every 9-12 months, even if the bulb still appears to be glowing. The UV output degrades over time.

7. TROUBLESHOOTING

If your new bulb is not functioning as expected, consider the following:

- **Bulb Does Not Light Up:**

- Check if the power supply to the fixture is on.
- Ensure the bulb is fully and correctly seated in its sockets.
- Verify that the circuit breaker has not tripped.
- Inspect the fixture's wiring and ballast (if applicable) for damage.

- **Bulb Flickers or Dims:**

- This may indicate the bulb is nearing the end of its effective life and needs replacement.
- Check for loose connections in the fixture.
- Ensure the fixture's ballast (if applicable) is functioning correctly.

If issues persist after troubleshooting, contact a qualified technician or the manufacturer for assistance.

8. SPECIFICATIONS

Attribute	Value
Model Number	CE-20-2C-AZ-6Q00-4
Replacement For	AMERICAN ULTRAVIOLET CE-20-2C
Brand	Technical Precision
Wattage	22 Watts
Batteries Required	No
Unit Per Sale	1

9. WARRANTY AND SUPPORT

Specific warranty details for this replacement bulb are not provided in this manual. For information regarding warranty coverage, returns, or technical support, please refer to the original purchase documentation or contact Technical Precision directly through their official website or customer service channels.

Manufacturer: Technical Precision