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Ushio BC1542

Ushio EVR JCV120V-500WGS Projector Light Bulb User Manual

Model: BC1542 | Brand: Ushio

1. Introduction

This manual provides essential information for the safe and effective use of your Ushio BC1542 EVR JCV120V-500WGS Projector Light Bulb. This is a 500 watt, 120 volt T4 miniature candelabra screw (E11) base halogen incandescent bulb, designed for projector, stage, and studio applications. It features a clear finish and operates at a color temperature of 2,950 Kelvin, providing 10,450 lumens of light output with an average lifetime of 2,000 hours.





Figure 1: Ushio EVR JCV120V-500WGS Projector Light Bulb. This image shows the clear halogen bulb with its E11 base and internal filament structure.

2. Safety Information

Please read and understand all safety precautions before installing or operating the light bulb. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- **Electrical Hazard:** Always disconnect power to the fixture before installing, removing, or servicing the bulb.
- **Burn Hazard:** Bulbs become extremely hot during operation and remain hot for some time after being turned off. Allow the bulb to cool completely before handling. Do not touch the bulb with bare hands.
- **Fragile:** Handle the bulb with care. Avoid dropping or subjecting it to impact.
- **Proper Disposal:** Dispose of used bulbs according to local regulations.
- **Compatibility:** Ensure the bulb's voltage (120V) and wattage (500W) match the requirements of your fixture.
- **Ventilation:** Ensure adequate ventilation around the bulb and fixture to prevent overheating.

3. Setup and Installation

Follow these steps for proper installation of the Ushio BC1542 light bulb:

1. Ensure the power to the projector or fixture is turned off and disconnected from the main power supply.
2. Allow any previously installed bulb to cool down completely if it was recently in use.
3. Carefully remove the old bulb, if present, by unscrewing it from the E11 base.
4. Using a clean cloth or gloves to avoid touching the glass directly (oils from skin can cause hot spots and reduce bulb life), gently screw the new Ushio BC1542 bulb into the E11 base until it is snug. Do not overtighten.
5. Ensure the bulb is properly seated and aligned within the fixture.
6. Restore power to the fixture.

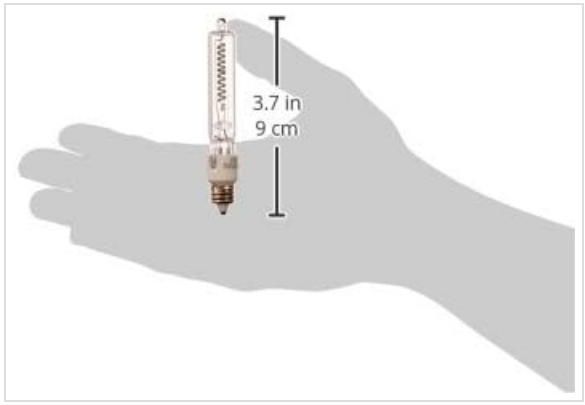


Figure 2: Dimensions of the Ushio Projector Light Bulb. The bulb measures approximately 3.7 inches (9 cm) in length, which is crucial for ensuring compatibility with your fixture's housing.

4. Operation

Once installed, the Ushio BC1542 bulb operates like any standard incandescent bulb. Simply turn on the power to your projector or lighting fixture. The bulb will illuminate instantly. To turn off, switch off the power to the fixture. For optimal performance and bulb longevity, avoid frequent on/off cycling.

5. Maintenance

Proper maintenance can extend the life of your bulb and ensure consistent performance.

- **Cleaning:** If the bulb's glass surface becomes dusty or dirty, ensure the bulb is cool and power is disconnected. Gently wipe the glass with a clean, dry, lint-free cloth. Do not use liquid cleaners.
- **Handling:** Always handle the bulb by its base or with a clean cloth/gloves. Avoid touching the glass envelope directly.
- **Replacement:** Replace the bulb when its light output significantly diminishes or when the filament breaks. Always use a compatible replacement bulb (Ushio BC1542 or equivalent specifications).

6. Troubleshooting

If you encounter issues with your Ushio BC1542 light bulb, consider the following common problems and solutions:

- **Bulb does not light up:**
  - Check if the power supply to the fixture is active.
  - Ensure the bulb is securely screwed into the E11 base.
  - Inspect the bulb's filament for breakage. If broken, the bulb needs replacement.
  - Verify the fixture itself is functioning correctly (e.g., test with another known-good bulb if possible).
- **Light output is dim or inconsistent:**
  - The bulb may be nearing the end of its average lifetime (2,000 hours) and requires replacement.
  - Ensure the fixture's voltage supply is stable and matches the bulb's requirements (120V).

- Check for dust or debris on the bulb's surface or within the fixture's optics.

7. Technical Specifications

Attribute	Specification
Brand	Ushio
Model Number	BC1542
Light Type	Halogen Incandescent
Wattage	500 Watts
Voltage	120 Volts
Bulb Shape Size	T4
Bulb Base	E11 (Miniature Candelabra Screw)
Color/Finish	Clear
Color Temperature	2,950 Kelvin
Brightness	10,450 Lumens
Average Lifetime	2,000 hours
Specific Uses	Projector, Stage, Studio
Product Dimensions	5 x 1.5 x 1.5 inches (approximate)
Item Weight	0.634 ounces

8. Warranty and Support

According to the product information, warranty details for this item are listed as "Not applicable." For any product support or inquiries, please refer to the retailer or the manufacturer, Ushio, directly. Ensure you have your product model number (BC1542) and any purchase details available when seeking support.

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