

Ushio BC1618

Ushio BC1618 FCL J120V-500W Projector Light Bulb Instruction Manual

1. PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of your Ushio BC1618 FCL J120V-500W Halogen Projector Light Bulb. Please read these instructions carefully before installation and operation.

Product Description

The Ushio BC1618 is a 500-watt, 120-volt halogen incandescent light bulb designed for projector, stage, and studio applications. It features a T2.5 shape with a Recessed Single Contact (R7s) base, providing a clear light output with a color temperature of 3,000K.

Key Features

- **Wattage:** 500W
- **Voltage:** 120V
- **Base Type:** R7s (Recessed Single Contact)
- **Color Temperature:** 3,000K
- **Luminous Flux:** 10,000 Lumens
- **Average Lifetime:** 2,000 hours
- **Finish:** Clear





2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product and equipment.

- **Power Disconnection:** Always disconnect power to the fixture before installing, removing, or handling the bulb.
- **High Temperature:** Halogen bulbs operate at high temperatures. Allow the bulb to cool completely before touching it.
- **Avoid Direct Contact:** Do not touch 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 if handling is necessary.
- **Proper Fixture:** Use only in fixtures designed for halogen bulbs of the specified wattage and voltage.
- **Ventilation:** Ensure adequate ventilation around the fixture to prevent overheating.
- **Disposal:** Dispose of used bulbs according to local regulations.
- **Eye Protection:** Wear appropriate eye protection during installation or removal to guard against potential glass breakage.

3. INSTALLATION INSTRUCTIONS

Follow these steps to safely install the Ushio BC1618 projector light bulb.

1. **Ensure Power is Off:** Before beginning, confirm that the power supply to the projector or fixture is completely disconnected.
2. **Allow Cooling:** If replacing an old bulb, ensure it has cooled down completely to avoid burns.
3. **Access Bulb Compartment:** Open the bulb access panel on your projector or fixture. Refer to your projector's manual for specific instructions on accessing the bulb.
4. **Remove Old Bulb:** Carefully grasp the old bulb (using a cloth or gloves if it's a halogen type) and gently pull it straight out from its R7s base. Avoid twisting.
5. **Handle New Bulb:** Remove the new Ushio BC1618 bulb from its packaging. **Do not touch the glass envelope with bare hands.** Use the packaging, a clean cloth, or gloves to handle the bulb.
6. **Insert New Bulb:** Align the pins of the new bulb with the slots in the R7s base. Gently push the bulb straight into the socket until it is firmly seated. Do not force it.
7. **Secure Compartment:** Close and secure the bulb access panel.
8. **Restore Power:** Reconnect the power supply to the projector or fixture.

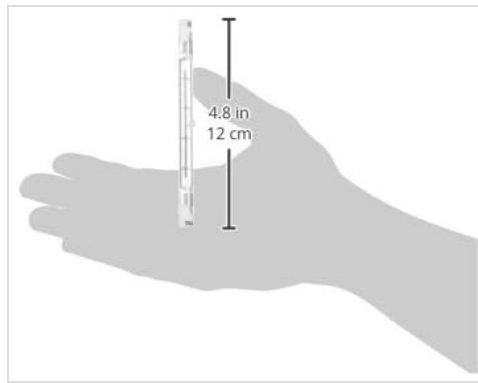


Figure 2: Approximate dimensions of the Ushio BC1618 bulb, showing its length of 4.8 inches (12 cm).

4. OPERATION

Once the Ushio BC1618 bulb is correctly installed, operate your projector or fixture as per its manufacturer's instructions. The bulb will illuminate immediately upon power application.

- **Warm-up Time:** Halogen bulbs provide instant full brightness.
- **Cool-down:** After use, allow the projector or fixture to cool down for several minutes before moving or storing it. This helps prolong the life of the bulb and other components.
- **Dimming:** If your fixture supports dimming, ensure it is compatible with halogen incandescent bulbs.

5. MAINTENANCE

Proper maintenance can extend the life of your Ushio BC1618 bulb and ensure optimal performance.

- **Cleaning:** If the bulb's glass envelope becomes dirty, gently wipe it with a clean, lint-free cloth moistened with isopropyl alcohol. Ensure the bulb is completely cool and power is disconnected before cleaning.
- **Inspection:** Periodically inspect the bulb and its socket for any signs of damage, corrosion, or loose connections.
- **Storage:** Store spare bulbs in their original packaging in a cool, dry place to protect them from damage.

6. TROUBLESHOOTING

If you encounter issues with your Ushio BC1618 bulb, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Bulb does not light up.	No power to fixture; Bulb not seated correctly; Bulb has reached end of life; Faulty fixture.	Check power connection and circuit breaker. Ensure bulb is fully inserted. Replace bulb if it has exceeded its average lifetime. Consult a qualified technician for fixture repair.
Bulb flickers.	Loose connection; Incompatible dimmer; Voltage fluctuations.	Ensure bulb is securely seated. Verify dimmer compatibility. Check power supply for stability.
Bulb burns out quickly.	Over-voltage; Frequent switching; Excessive vibration; Touching glass with bare hands during installation.	Verify correct voltage supply. Reduce frequency of on/off cycles. Ensure fixture is stable. Reinstall bulb carefully, avoiding skin contact with glass.

7. TECHNICAL SPECIFICATIONS

Brand	Ushio
Model Number	BC1618 (1000488)
Light Type	Halogen Incandescent
Wattage	500 Watts
Voltage	120 Volts
Bulb Shape Size	T2.5 (119MM length)
Base Type	R7s (Recessed Single Contact)
Color Temperature	3000 Kelvin
Brightness	10000 Lumens
Average Lifetime	2000 hours
Finish	Clear
Material	Copper
Product Dimensions	5.5 x 1 x 1 inches (approx. 13.97 x 2.54 x 2.54 cm)
Item Weight	0.48 ounces (approx. 13.6 grams)
Specific Uses	Projector, Stage, Studio
UPC	048777131718

8. WARRANTY AND SUPPORT

Warranty Information

The manufacturer states that a specific warranty description is **Not applicable** for this product. Please refer to the retailer's return policy for any issues.

Customer Support

For further assistance or inquiries regarding the Ushio BC1618 projector light bulb, please contact your point of purchase or refer to the manufacturer's official website for support resources.