Ushio 571140

Ushio FAD 650W Halogen Lamp User Manual

Model: 571140

1. Introduction

This manual provides essential information for the safe and effective use of the Ushio FAD 650 Watt, 120 Volt Quartz Halogen Lamp. This lamp is specifically designed as a replacement bulb for the Arri Arrilite 650 light fixture, offering 3200°K color temperature and an approximate life of 100 hours. Please read this manual thoroughly before installation and operation.

2. Safety Information

Halogen lamps operate at high temperatures and require careful handling. Adhere to the following safety guidelines:

- **Risk of Burns:** The lamp surface becomes extremely hot during operation and remains hot for a period after being turned off. Avoid touching the lamp with bare hands. Allow sufficient time for the lamp to cool before handling.
- **Risk of Fire:** Ensure the lamp is installed in a fixture designed for its wattage and voltage. Keep flammable materials away from the lamp.
- **Eye Protection:** Do not look directly at the illuminated lamp, as intense light can cause eye strain or damage.
- **Handling:** Always handle the lamp by its ceramic ends or base. Avoid touching the quartz glass envelope with bare hands, as oils from the skin can create hot spots, leading to premature lamp failure or explosion. Use clean gloves or a soft cloth if necessary.
- **Power Off:** Always disconnect power to the fixture before installing, removing, or inspecting the lamp.
- **Disposal:** Dispose of used lamps according to local regulations.

3. Product Overview

The Ushio FAD 650W Halogen Lamp is a high-quality, tubular quartz halogen bulb designed for professional lighting applications. It features a robust filament structure and clear quartz glass for optimal light output.

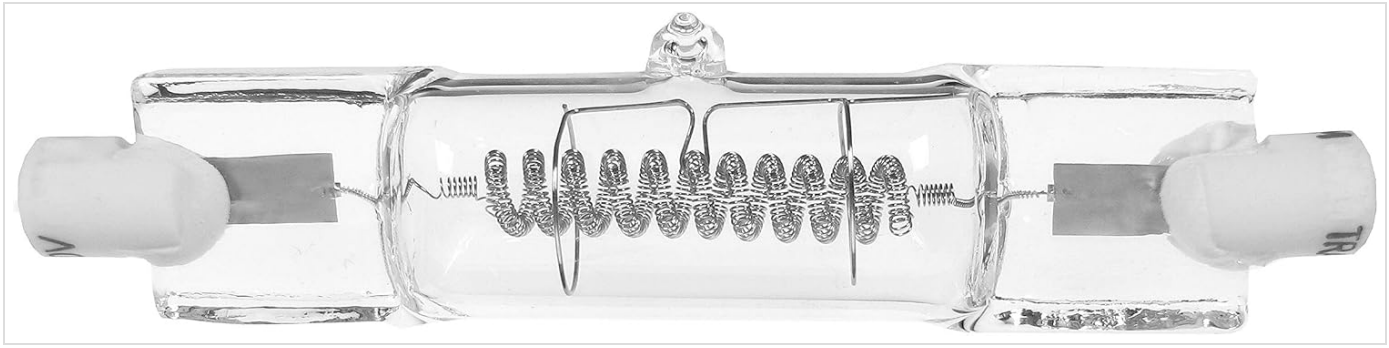


Image: The Ushio FAD 650W Halogen Lamp, showing its clear quartz envelope and internal coiled filament structure with two ceramic end caps for electrical connection.

Key features include:

- **Wattage:** 650 Watts
- **Voltage:** 120 Volts
- **Color Temperature:** 3200 Kelvin (warm white light)
- **Light Type:** Quartz Halogen
- **Compatibility:** Designed for Arri Arrilite 650 light fixtures.

4. Setup and Installation

Follow these steps to safely install the Ushio FAD 650W Halogen Lamp:

1. **Ensure Power is Off:** Before beginning, always turn off and unplug the lighting fixture from the power source. Allow the old lamp (if present) to cool completely.
2. **Remove Old Lamp (if applicable):** Carefully remove the old lamp from its socket. Note its orientation for correct installation of the new lamp.
3. **Handle with Care:** Wear clean cotton gloves or use a soft, lint-free cloth when handling the new lamp. Do not touch the quartz glass envelope with bare hands.
4. **Insert New Lamp:** Align the ceramic ends of the new Ushio FAD lamp with the corresponding sockets in the Arri Arrilite 650 fixture. Gently push the lamp into place until it is securely seated. Do not force the lamp.
5. **Secure Fixture:** Close and secure any lamp covers or retaining clips on the fixture.
6. **Restore Power:** Plug the lighting fixture back into the power source.
7. **Test:** Turn on the fixture to confirm the lamp is working correctly.

5. Operating Instructions

Once installed, the Ushio FAD 650W Halogen Lamp operates as part of your Arri Arrilite 650 lighting system. Simply turn on the power to the fixture to illuminate the lamp. Turn off the power when the light is no longer needed. Avoid frequent on/off cycling, as this can reduce lamp life.

6. Maintenance

Minimal maintenance is required for the Ushio FAD 650W Halogen Lamp itself. However, regular inspection of the lamp and fixture is recommended:

- **Cleaning:** If the quartz glass envelope becomes dirty, ensure the lamp is cool and power is disconnected. Gently wipe the glass with a clean, lint-free cloth dampened with rubbing alcohol. Allow to dry completely before re-

energizing.

- **Inspection:** Periodically inspect the lamp for any signs of damage, such as cracks in the glass or loose connections. Replace damaged lamps immediately.
- **Fixture Maintenance:** Refer to your Arri Arrilite 650 fixture's manual for its specific maintenance requirements.

7. Troubleshooting

If the lamp does not illuminate or exhibits unusual behavior, consider the following:

Problem	Possible Cause	Solution
Lamp does not light up.	No power to fixture, lamp not seated correctly, lamp has reached end of life, faulty fixture.	Check power supply. Ensure lamp is fully inserted. Replace lamp if it has exceeded its rated life. Inspect fixture wiring.
Lamp flickers or dims.	Loose connection, incorrect voltage, nearing end of life.	Check lamp seating in socket. Verify power supply voltage. Replace lamp.
Lamp burns out quickly.	Over-voltage, frequent on/off cycling, improper handling (fingerprints on glass), vibration.	Verify power supply voltage. Minimize on/off cycles. Ensure lamp was handled with gloves. Check for excessive vibration in fixture.

If problems persist after troubleshooting, consult a qualified technician or contact Ushio customer support.

8. Specifications

Attribute	Value
Brand	Ushio
Manufacturer	Arri
Model Number	571140
Light Type	Quartz Halogen
Wattage	650 Watts
Voltage	120 Volts
Color Temperature	3200 Kelvin
Approximate Life	100 Hours
Item Weight	0.05 Pounds (approx. 0.8 ounces)

9. Warranty and Support

This Ushio FAD 650W Halogen Lamp is manufactured to high-quality standards. For specific warranty information or technical support, please refer to the official Ushio website or contact their customer service department. Keep your purchase receipt as proof of purchase.
For further assistance, please visit www.ushio.com or contact your local distributor.

© 2023 Ushio. All rights reserved. Information subject to change without notice.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question