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Ushio BC6360

Ushio ELC-5 Halogen Bulb User Manual

Model: **BC6360** | Brand: **Ushio**

1. Introduction

This manual provides essential information for the safe and effective use of your Ushio ELC-5 Halogen Bulb (Model BC6360). This 250W, 24V MR16 bulb with a GX5.3 base is designed for various applications including interior, recessed, track, and security lighting.
Key features of this halogen bulb include:

- Longer life and higher light output compared to incandescent bulbs.
- Produces a whiter and brighter light with less blackening over time.
- Dimmable with most standard dimmers.
- Color temperature of 3400 Kelvin, providing a warm white light.
- Rated life of 500 hours and a luminous flux of 960 lumens.

2. Safety Information

WARNING: To prevent personal injury or property damage, always follow these safety precautions.

- **Risk of Burns:** Halogen bulbs operate at high temperatures. Do not touch the bulb when it is operating or immediately after it has been turned off. Allow the bulb to cool completely before handling.
- **Risk of Electric Shock:** Always disconnect power to the fixture before installing, removing, or cleaning the bulb.
- **Proper Fixture Use:** Use this bulb only in fixtures rated for 250W, 24V, and with a GX5.3 base. Ensure the fixture is designed for MR16 bulb types.
- **Avoid Contamination:** Do not touch the glass part of the bulb with bare hands. Oils from your skin can create hot spots, leading to premature bulb failure. Use a clean cloth or gloves when handling.
- **Ventilation:** Ensure adequate ventilation around the bulb and fixture to prevent overheating.
- **Disposal:** Dispose of used bulbs according to local regulations.

3. Installation

Follow these steps to safely install your Ushio ELC-5 Halogen Bulb:



Figure 3.1: The Ushio ELC-5 Halogen Bulb (Model BC6360) with its GX5.3 2-pin base. This image shows the reflective MR16 shape and the clear glass envelope of the bulb.

1. **Power Off:** Before beginning installation, ensure the power supply to the light fixture is completely turned off at the circuit breaker or wall switch.
2. **Allow Cooling:** If replacing an existing bulb, allow the old bulb to cool down completely before touching it.
3. **Remove Old Bulb (if applicable):** Gently pull the old MR16 bulb straight out from its GX5.3 socket. Avoid twisting if possible, as this can damage the pins or socket.
4. **Handle New Bulb:** Hold the new Ushio ELC-5 bulb by its ceramic base or with a clean cloth/gloves. Avoid touching the glass envelope directly.
5. **Insert New Bulb:** Align the two pins of the GX5.3 base with the holes in the fixture's socket. Gently push the bulb straight into the socket until it is firmly seated. Do not force the bulb.
6. **Restore Power:** Once the bulb is securely installed, restore power to the fixture.
7. **Test:** Turn on the light switch to confirm the bulb is working correctly.



Figure 3.2: A size comparison image showing the compact dimensions of the Ushio ELC-5 Halogen Bulb (approximately 2.1 inches or 5 cm in height) relative to a human hand. This illustrates its suitability for various compact lighting applications.

4. Operation

Operating the Ushio ELC-5 Halogen Bulb is straightforward once installed:

- **Turning On/Off:** Use the standard wall switch or fixture control to turn the light on or off.
- **Dimming:** This bulb is dimmable with most compatible dimmers. Ensure your dimmer is rated for halogen or incandescent loads and can handle the 250W wattage. Using an incompatible dimmer may lead to flickering or premature bulb failure.
- **Warm-up Time:** Halogen bulbs provide instant full brightness upon activation.

5. Maintenance

Proper maintenance can extend the life and performance of your halogen bulb:

- **Cleaning:** If the bulb becomes dusty, ensure the power is off and the bulb is completely cool. Gently wipe the glass with a soft, dry, lint-free cloth. Do not use liquid cleaners.
- **Handling:** Always handle the bulb by its base or with a clean cloth/gloves to avoid transferring skin oils to the glass.
- **Replacement:** When the bulb reaches the end of its life, follow the installation steps in Section 3 to safely replace it.

6. Troubleshooting

If your Ushio ELC-5 Halogen Bulb is not functioning as expected, consider the following common issues and solutions:

Problem	Possible Cause	Solution
Bulb does not light up.	• No power to the fixture. • Bulb not properly seated. • Bulb has reached end of life. • Faulty fixture or wiring.	• Check circuit breaker and wall switch. • Ensure bulb pins are fully inserted into the socket. • Replace the bulb with a new one. • Consult a qualified electrician if wiring or fixture is suspected.

Problem	Possible Cause	Solution
Bulb flickers or dims unexpectedly.	• Incompatible or faulty dimmer. • Loose connection in the socket. • Voltage fluctuations.	• Ensure dimmer is compatible with halogen bulbs and rated for 250W. • Check if the bulb is securely seated. • Consult an electrician if voltage issues are suspected.
Bulb burns out quickly.	• Over-voltage. • Frequent on/off cycling. • Touching glass with bare hands during installation. • Excessive vibration or heat.	• Verify fixture voltage matches bulb voltage (24V). • Minimize rapid on/off cycles. • Always handle with a clean cloth or gloves. • Ensure proper ventilation and secure mounting.

7. Specifications

Attribute	Detail
Brand	Ushio
Model Number	BC6360 (ELC-5)
Light Type	Halogen
Wattage	250 Watts
Voltage	24 Volts
Bulb Shape Size	MR16
Bulb Base	GX5.3 (2-pin)
Color Temperature	3400 Kelvin
Brightness	960 Lumens
Rated Life	500 hours
Material	Copper (base contacts)
Product Dimensions	Approximately 2 x 2 x 2 inches
Item Weight	1.44 ounces (approx. 0.09 lbs)
ANSI Code	ELC-5
UPC	048777417317
Part Number	1003264

8. Warranty and Support

The manufacturer's warranty for this product is stated as "Not applicable" in the product information. For any

product-related inquiries or technical support, please contact the manufacturer or your point of purchase.
Manufacturer: Bulbconnection
For further assistance, refer to the product packaging or the retailer's support channels.

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