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› Halco Lighting Technologies MH200/BU/PS ProLume Metal Halide Lamp User Manual

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Model: MH200/BU/PS | Brand: Halco Lighting Technologies

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Halco Lighting Technologies MH200/BU/PS ProLume Metal Halide Lamp. Please read this manual thoroughly before use and retain it for future reference.

The ProLume Pulse Start lamp and ballast systems are designed for energy efficiency while maintaining consistent lumen output. These lamps offer improved light quality compared to High Pressure Sodium and Mercury Vapor lamps and are suitable for both indoor and outdoor applications, unaffected by standard ambient temperatures.



Figure 1: Halco Lighting Technologies MH200/BU/PS ProLume Metal Halide Lamp. A clear, elongated metal halide lamp with a screw-in base, showing the internal arc tube and support wires.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in fire, electric shock, serious injury, or property damage.

- Always turn off power to the fixture and allow the lamp to cool completely before installation, removal, or maintenance.
- Do not operate lamps with damaged outer envelopes.
- Use only with appropriate ballast systems designed for metal halide lamps. Incorrect ballast can cause lamp failure or fire.
- Ensure the fixture is properly grounded.
- Avoid direct eye exposure to the operating lamp.
- Dispose of lamps according to local regulations, as they may contain mercury.
- Do not exceed the maximum wattage rating of the fixture.

- Operate in open fixtures only if the lamp is rated for open fixture use. This lamp is designed for enclosed fixtures.

3. SETUP AND INSTALLATION

Follow these steps for proper installation:

1. **Power Off:** Ensure the electrical power to the fixture is completely turned off at the circuit breaker or fuse box.
2. **Cool Down:** If replacing an existing lamp, allow the old lamp to cool down completely before handling.
3. **Inspect Fixture:** Verify that the fixture is clean, dry, and free from damage. Ensure it is rated for a 200W metal halide lamp and uses a compatible pulse start ballast.
4. **Unpack Lamp:** Carefully remove the new lamp from its packaging, avoiding contact with the glass envelope. Handle the lamp by its base.
5. **Install Lamp:** Screw the lamp firmly into the lamp holder until it is snug. Do not overtighten.
6. **Power On:** Restore power to the fixture. The lamp will require a warm-up period to reach full brightness.

Note: Metal halide lamps require a specific warm-up period (typically 2-4 minutes) to reach full light output and color stability. After a power interruption, they also require a cool-down period (typically 5-15 minutes) before they can restrike and restart.

4. OPERATING INSTRUCTIONS

Once installed, operating the MH200/BU/PS lamp is straightforward:

- **Power On/Off:** Use the standard wall switch or fixture control to turn the lamp on or off.
- **Warm-up Time:** Upon initial power-up, the lamp will gradually increase in brightness and color temperature over several minutes until it reaches its stable operating state.
- **Restrike Time:** If the lamp is turned off or experiences a power interruption, it must cool down before it can be restarted. Attempting to restart a hot lamp will result in a delay until it cools sufficiently.
- **Operating Environment:** This lamp is suitable for both indoor and outdoor use within appropriate enclosed fixtures.

5. MAINTENANCE

Proper maintenance ensures optimal performance and extends the life of your lamp.

- **Cleaning:** Periodically clean the outer surface of the lamp and fixture with a soft, dry cloth. Ensure power is off and the lamp is cool before cleaning. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the lamp for any signs of damage, such as cracks or discoloration. Replace damaged lamps immediately.
- **Replacement:** Replace the lamp when it reaches its average rated life or if light output significantly diminishes. Always replace with a lamp of the same type and wattage (MH200/BU/PS).
- **Disposal:** Dispose of old lamps responsibly according to local environmental regulations. Many jurisdictions have specific requirements for the disposal of metal halide lamps due to their mercury content.

6. TROUBLESHOOTING

If you encounter issues with your lamp, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Lamp does not light	No power to fixture; Lamp not screwed in properly; Faulty lamp; Incorrect or faulty ballast.	Check power supply; Re-seat lamp; Replace lamp; Inspect/replace ballast.
Lamp cycles on and off	Lamp nearing end of life; Overheating fixture; Incorrect ballast.	Replace lamp; Ensure proper ventilation; Verify ballast compatibility.
Low light output	Lamp nearing end of life; Dirty lamp or fixture; Incorrect ballast.	Replace lamp; Clean lamp and fixture; Verify ballast compatibility.
Lamp takes too long to restrike	Normal operation for metal halide; Lamp nearing end of life.	Allow sufficient cool-down time; Replace lamp if restrike time becomes excessive.

7. SPECIFICATIONS

Key technical specifications for the Halco Lighting Technologies MH200/BU/PS ProLume Metal Halide Lamp:

Feature	Detail
Brand	Halco Lighting Technologies
Model Name	ProLume
Part Number	MH200/BU/PS
Wattage	200 watts
Bulb Shape Size	ED28
Light Type	Metal Halide
Color Temperature	4000 Kelvin (also available in 3700K)
Average Rated Life	Up to 20,000 hours
Indoor/Outdoor Usage	Indoor, Outdoor (in appropriate enclosed fixtures)
Item Weight	1.43 pounds
Product Dimensions	8.25 x 3.54 x 8.95 inches
UPC	807154182848

8. WARRANTY INFORMATION

Halco Lighting Technologies products are manufactured to high-quality standards. For specific warranty terms and conditions applicable to the MH200/BU/PS lamp, please refer to the documentation included with your purchase or visit the official Halco Lighting Technologies website. Warranty coverage typically addresses defects in materials and workmanship under normal use.

9. SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact Halco Lighting Technologies customer service or visit their official website:

- **Website:** www.halcolighting.com
- Refer to the product packaging for specific customer service contact numbers or email addresses.

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