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## BORYLI 7R-DIAN

# BORYLI 7R 230W Moving Head Light Bulb Instruction Manual

MODEL: 7R-DIAN

Brand: BORYLI

## 1. Introduction

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Thank you for choosing the BORYLI 7R 230W Moving Head Light Bulb. This manual provides important information regarding the safe installation, operation, and maintenance of your new bulb. Please read this manual thoroughly before use and retain it for future reference. Proper handling and installation are crucial for optimal performance and longevity of the bulb.

## 2. Product Overview

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The BORYLI 7R 230W bulb is a high-performance metal halide lamp designed for moving head light fixtures. It delivers a powerful and consistent light beam, essential for professional stage and DJ lighting applications. This bulb is engineered for high efficiency and a long average lifespan.



*Image 1: Front view of the BORYLI 7R 230W Moving Head Light Bulb, showing the reflector and electrode structure.*

### Key Features:

- **Luminous Flux:** 11000 lumens, providing bright and intense light output.
- **Color Temperature:** 7500 Kelvin, producing a cool white light.
- **CRI:** 75, ensuring good color rendering.
- **Allowed Max Temperature:** 350°C, indicating robust thermal design.
- **Average Life:** Approximately 1600 hours, offering extended operational use.
- **Compatibility:** Designed for use with 230W-250W electronic ballasts.

### 3. Setup and Installation

**Important Safety Notice:** Always disconnect power to the lighting fixture before attempting any installation or maintenance. Allow the fixture and old bulb to cool completely before handling. Wear protective gloves to avoid touching the bulb glass directly, as oils from skin can cause hot spots and reduce bulb life.

1. **Power Disconnection:** Ensure the moving head light fixture is unplugged from the power source and has been allowed to cool down for at least 30 minutes.

2. **Access Bulb Compartment:** Refer to your moving head light fixture's manual for instructions on how to safely open the bulb compartment.
3. **Remove Old Bulb:** Carefully unclip or unscrew the retaining mechanism holding the old bulb. Grasp the base of the old bulb (not the glass) and gently pull it straight out. Dispose of the old bulb according to local regulations.
4. **Install New Bulb:** Wearing clean gloves, carefully align the pins of the new BORYLI 7R 230W bulb with the socket in the fixture. Gently push the bulb straight into the socket until it is fully seated. Do not force the bulb.
5. **Secure Bulb:** Re-engage the retaining mechanism to secure the new bulb in place.
6. **Close Compartment:** Close and secure the bulb compartment cover according to your fixture's manual.
7. **Power On:** Reconnect the power to the fixture. The bulb is now ready for operation.

This bulb requires an electronic ballast with a power output of 230W-250W. Ensure your fixture's ballast is compatible with these specifications for proper operation and to prevent damage to the bulb.

## 4. Operating Instructions

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Once installed, the BORYLI 7R 230W bulb operates as part of your moving head light fixture. The bulb's ignition and dimming are controlled by the fixture's internal electronics and DMX commands.

- **Initial Ignition:** Upon first power-up or after a bulb replacement, the bulb may take a few moments to reach full brightness. This is normal for metal halide lamps.
- **Warm-up Time:** Allow the bulb to warm up for approximately 5-10 minutes to achieve stable color temperature and full light output before critical use.
- **Cool-down Time:** After turning off the fixture, allow the bulb to cool down completely before re-igniting. Rapid re-ignition of a hot bulb can significantly reduce its lifespan. Most fixtures have a built-in delay for this purpose.
- **Power Requirements:** The bulb operates with an input voltage of 100-240V, 50-60Hz, as supplied by the electronic ballast.

## 5. Maintenance

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Regular maintenance ensures optimal performance and extends the life of your BORYLI 7R 230W bulb.

- **Cleaning:** Periodically clean the exterior of the bulb (when cool and disconnected from power) with a soft, lint-free cloth. Avoid using abrasive cleaners or solvents. If the glass has been touched, clean it with isopropyl alcohol and a clean cloth to remove oil residues.
- **Handling:** Always handle the bulb by its ceramic base, not the glass envelope. Fingerprints or dirt on the glass can create hot spots, leading to premature failure.
- **Inspection:** During routine fixture maintenance, inspect the bulb for any signs of damage, discoloration, or blackening, which may indicate impending failure.
- **Replacement:** Replace the bulb when its light output significantly diminishes or when it fails to ignite. The average life is 1600 hours, but actual life may vary based on usage patterns and operating conditions.

## 6. Troubleshooting

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If you encounter issues with your BORYLI 7R 230W bulb, consider the following troubleshooting steps:

- **Bulb Not Igniting:**
  - Check if the fixture is receiving power.
  - Ensure the bulb is correctly seated in its socket.
  - Verify that the bulb compartment cover is securely closed (some fixtures have safety interlocks).
  - Allow sufficient cool-down time if the bulb was recently turned off.

- Inspect the ballast for proper operation (refer to your fixture's manual).

- **Dim or Flickering Light:**

- Allow the bulb to warm up completely.
- Check for loose connections in the fixture.
- The bulb may be nearing the end of its lifespan and require replacement.
- Ensure the ballast is providing stable power.

- **Unusual Noise or Smell:**

- Immediately disconnect power to the fixture.
- This could indicate a serious electrical issue or a failing ballast/bulb. Do not operate until inspected by a qualified technician.

If problems persist after following these steps, consult a qualified lighting technician or contact BORYLI customer support.

## 7. Specifications

Detailed technical specifications for the BORYLI 7R 230W Moving Head Light Bulb.

Parameter	Value
Model Name	7R-DIAN
Brand	BORYLI
Light Type	Metal Halide
Wattage (Light Source)	230 Watts
Wattage (Overall)	250 Watts (with ballast)
Luminous Flux	11000 Lumens
Color Temperature	7500 Kelvin
CRI	75
Allowed Max Temperature	350°C
Average Life	1600 Hours
Bulb Base	BX22D (R7 type)
Input Voltage (Ballast)	100-240V, 50-60Hz
Material	Glass
Item Weight	13 ounces
UPC	732214077591

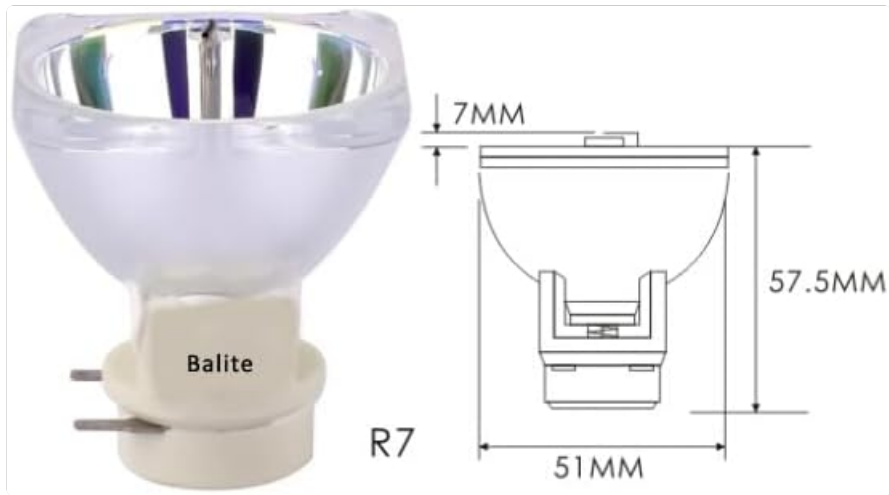


Image 2: BORYLI 7R 230W Moving Head Light Bulb with key dimensions (e.g., 57.5mm height, 51mm width, 7mm pin spacing).

## 8. Safety Information

- **High Voltage:** This product operates with high voltage. Installation and maintenance should only be performed by qualified personnel.
- **High Temperature:** The bulb and surrounding fixture components become extremely hot during operation and remain hot for a significant period after being turned off. Avoid contact to prevent burns.
- **UV Radiation:** Metal halide lamps emit UV radiation. Always ensure the fixture's protective lens is in place during operation.
- **Explosion Risk:** A damaged or improperly installed bulb can rupture. Always wear eye protection during installation and maintenance.
- **Disposal:** Dispose of used bulbs according to local environmental regulations, as they may contain hazardous materials.

## 9. Warranty and Support

BORYLI products are manufactured to high-quality standards. While specific warranty details are not provided in this manual, please retain your proof of purchase for any warranty claims. For technical support, troubleshooting assistance, or inquiries regarding replacement parts, please contact your retailer or visit the official BORYLI website for customer service information.

**Online Support:** Visit the BORYLI Store on Amazon