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> SHEHDS 300W LED Moving Head Light User Manual

## SHEHDS moving head light

# SHEHDS 300W LED Moving Head Light User Manual

Model: moving head light | Brand: SHEHDS

## 1. INTRODUCTION

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This user manual provides comprehensive instructions for the safe and effective operation, setup, and maintenance of your SHEHDS 300W LED Moving Head Light. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions to prevent electric shock, fire, or personal injury:

- Ensure the power supply voltage matches the product's requirements.
- Do not open the housing; there are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Avoid direct eye exposure to the light source.
- Ensure proper ventilation to prevent overheating. Do not block ventilation openings.
- Mount the fixture securely using appropriate hardware.
- Disconnect from power before cleaning or maintenance.

## 3. PRODUCT OVERVIEW

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The SHEHDS 300W LED Moving Head Light is a versatile stage lighting fixture designed for various applications, including parties, KTV, bars, and stage shows. It features a powerful 300W LED light source, advanced optics, and a wide range of effects.



Figure 3.1: Front view of the SHEHDS 300W LED Moving Head Light, showcasing its sleek black design and large lens.

### Key Features:

- **Super Bright LED:** Equipped with a 300W LED and a 16cm diameter optics lens for strong beam penetration and brightness. Color Temperature: 7000k-8000k; Beam Angle: 2.5 Degrees.

- **Dynamic Color and Gobo Effects:** Features 11 colors (plus white with half-color effect) and 13 gobos (plus open), along with Frost & Rainbow wheel for diverse visual displays.
- **Advanced Prism Effects:** Includes an 8+16 prism for expanded coverage and spectacular lighting effects.
- **Multiple Operational Modes:** Supports DMX512, Auto, Sound Control, Stand Alone, Master/Slave, and RDM.
- **Precise Control:** Offers 17 DMX Channels, 0-100% linear dimmer, Tilt: 190° (16bit), and Pan: 540° (16bit) for smooth and even color mixing.













 Gobo	 8+16 Prism	 3-pin DMX	 Auto run	 17CH
 Scan	 Silent fan	 Focus	 Voice Control	 TCS

Figure 3.2: Overview of key features including Gobo, 8+16 Prism, 3-pin DMX, Auto run, 17CH, Scan, Silent fan, Focus, Voice Control, and TCS.

# 16cm Large Lens with Optimized Optics

Uniform Brightness & Strong Penetration



Figure 3.3: Close-up of the 16cm large lens with optimized optics, designed for uniform brightness and strong light penetration.

## 4. SETUP

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## 4.1 Unboxing and Inspection

Carefully remove the moving head light and all accessories from the packaging. Inspect for any signs of damage during transit. The package should include:

- Host Unit (1x)
- Power Cord (1x)
- 2-meter Iron Head Signal Line (1x)
- Brackets (2x)
- User Manual (1x)



Figure 4.1: Contents of the product package, including the main unit, power cord, signal cable, brackets, and user manual.

## 4.2 Mounting

The SHEHDS 300W LED Moving Head Light supports table mount installation. Ensure the mounting surface is stable and capable of supporting the fixture's weight (33.7 pounds). Use the provided brackets for secure installation if mounting to a truss or other elevated structure.



Figure 4.2: Product dimensions: 13"L x 8.66"W x 18.9"H, useful for planning installation space.

### 4.3 Power and DMX Connection

Connect the power cord to the fixture and a suitable power outlet. For DMX control, connect a DMX cable from your DMX controller to the fixture's DMX input. If linking multiple fixtures, connect the DMX output of the first fixture to the DMX input

of the next, and so on.

## 5. OPERATING INSTRUCTIONS

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The SHEHDS 300W LED Moving Head Light offers various operational modes and effects. Use the LCD display and control buttons on the base of the unit to navigate settings.

### 5.1 Control Panel Overview

The control panel features an LCD display and several buttons for navigation and setting adjustments. The display shows current mode, DMX address, and other parameters.

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Video 5.1: Demonstration of the control panel and basic navigation, including setting the DMX address and accessing system setup options.

### 5.2 DMX512 Mode

For professional control, connect the fixture to a DMX controller. Set the DMX address using the control panel. The fixture supports 17 DMX channels, allowing precise control over various functions such as Pan, Tilt, Dimmer, Strobe, Color, Gobo, and Prism effects. The DMX address will be retained even after power cycling.

### 5.3 Automated and Sound Control Modes

The light can operate in Auto mode, cycling through pre-programmed shows, or Sound Control mode, reacting to music and audio inputs. These modes are ideal for quick setup and dynamic effects without external control.

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Video 5.2: Showcase of various light effects and patterns, demonstrating the fixture's versatility in different operational modes.

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Video 5.3: Further examples of dynamic lighting effects, including gobo and prism combinations, suitable for various event settings.

### 5.4 Light Effects and Features

The moving head light offers a rich array of visual effects:

- **Gobos:** 13 distinct gobos plus an open position, allowing for intricate pattern projections.
- **Colors:** 11 vibrant colors plus white, with a half-color effect for smooth transitions.
- **Prism:** An 8+16 prism creates multi-faceted beam effects, expanding the light coverage.
- **Frost & Rainbow Wheel:** The frost effect softens the light, while the rainbow wheel adds dynamic color sweeps.
- **Strobe:** Adjustable strobe speed for dramatic pulsating effects.

# Beam Effect

**Beam Angle: 2.5 Degrees**

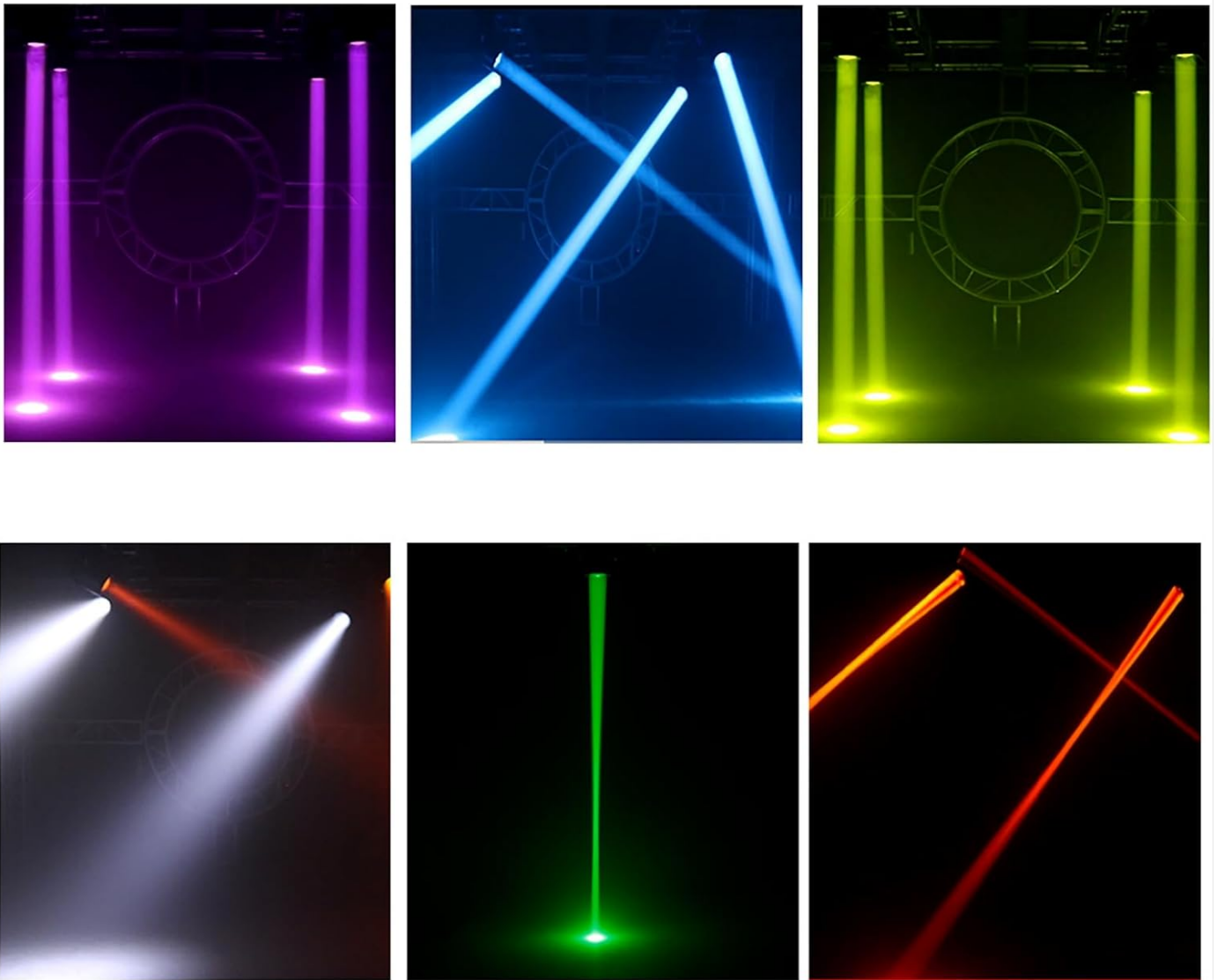


Figure 5.1: Examples of the powerful beam effects with a 2.5-degree beam angle, showcasing various colors and sharp projections.

# Beam / Focus / Gobo / Fog Effect

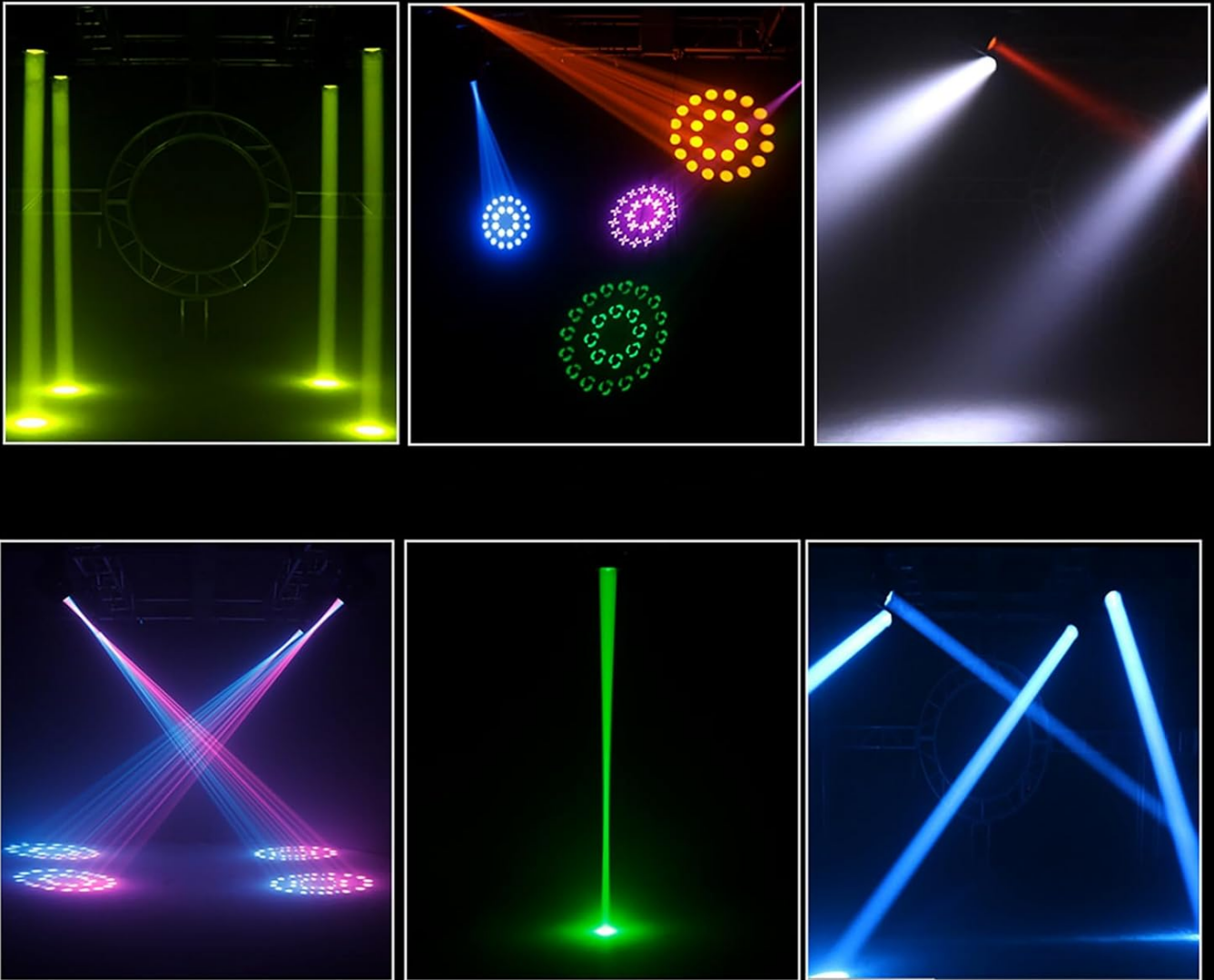


Figure 5.2: Demonstrations of beam, focus, gobo, and fog effects, illustrating the light's versatility in creating different atmospheres.

# 18 KIND OF PATTERN + OPENING

10 colors + white light can be realized. rainbow. Half color change. Focus. Fog effect

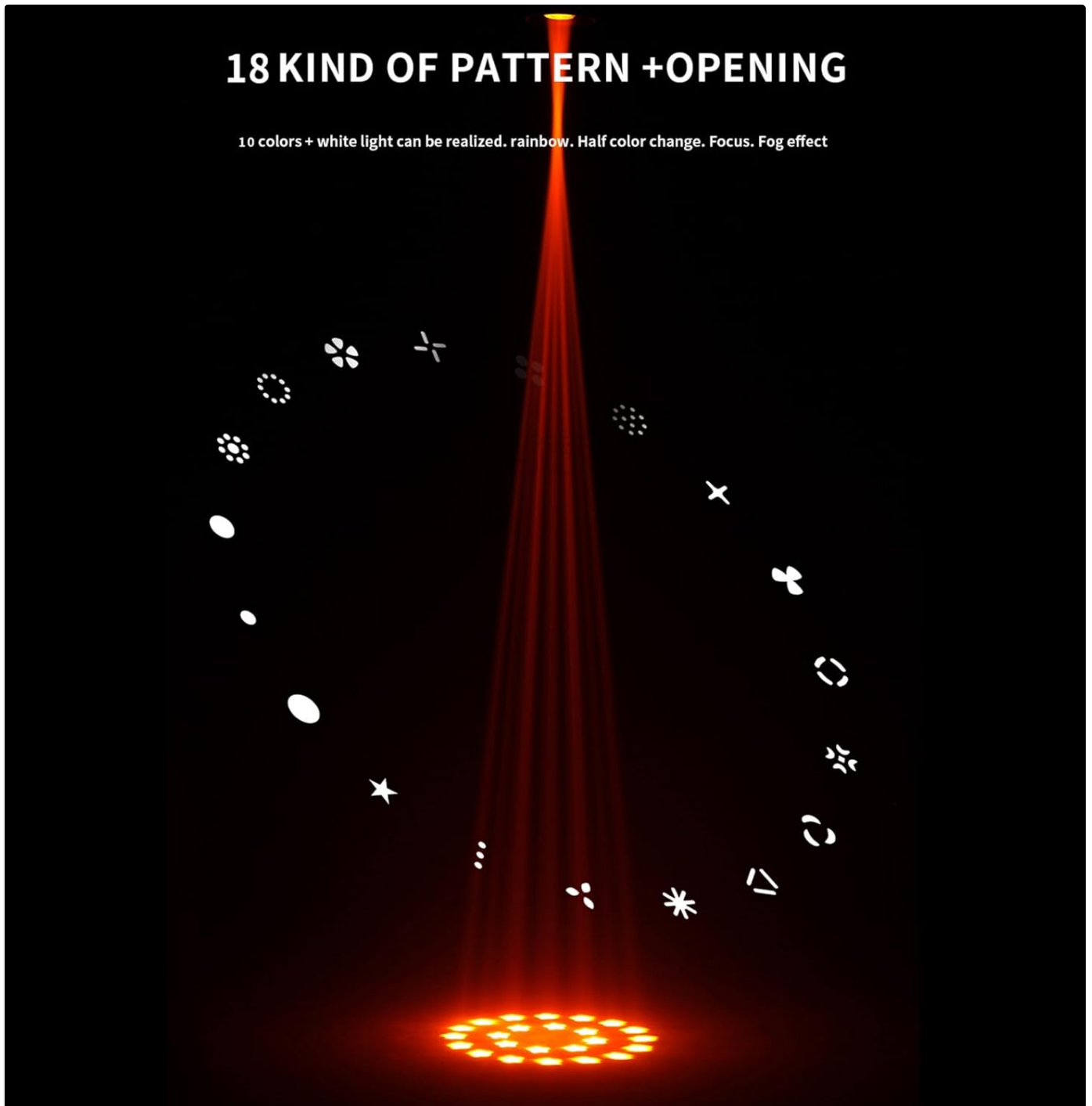


Figure 5.3: Visual representation of 18 different gobo patterns, including an open position, available for projection.

## EFFECTS COMPONENT



**Gobo Wheel**



**Color Wheel (10 kind of color)**



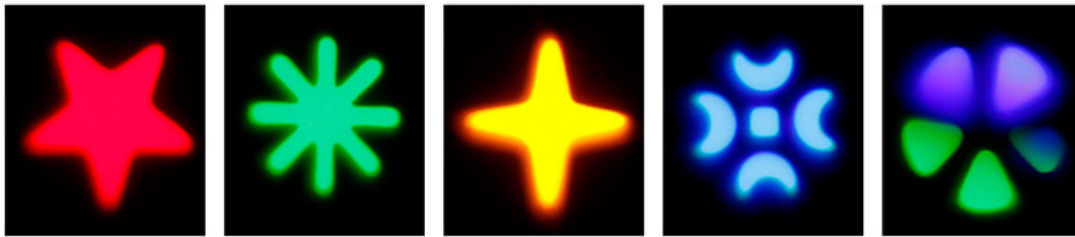
**Frost+7 Color Rainbow**



**8+16 Prism**

Figure 5.4: Detailed view of the internal effect components: Gobo Wheel, Color Wheel (10 kinds of color), Frost+7 Color Rainbow, and 8+16 Prism.

## SINGLE PATTERN EFFECT



## 8 + 16 PRISM PATTERN EFFECT

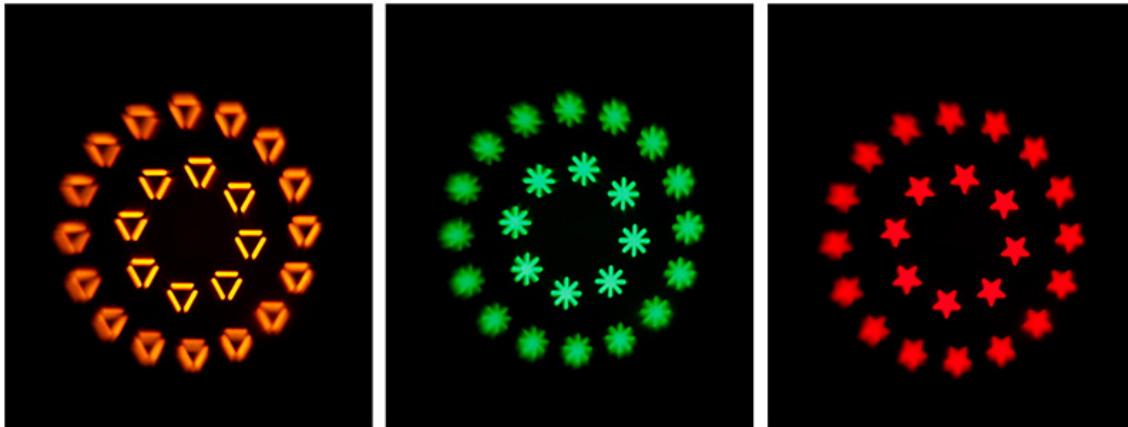


Figure 5.5: Comparison of single gobo patterns versus patterns created with the 8+16 prism effect, showing increased complexity and coverage.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your moving head light.

### 6.1 Cleaning

Periodically clean the exterior of the fixture with a soft, dry cloth. For the lens and optical components, use a lint-free cloth and a specialized lens cleaning solution. Ensure the fixture is disconnected from power before cleaning.

### 6.2 Cooling System

The fixture is equipped with an ultra-quiet cooling system with multi-side vents for efficient heat dissipation. Ensure these vents remain unobstructed during operation and are kept free of dust and debris.

# Ultra-Quiet Cooling System

## Multi-Side Vents for Efficient Heat Dissipation



Figure 6.1: Illustration of the ultra-quiet cooling system with multi-side vents, designed for efficient heat dissipation and prolonged product life.

### 6.3 Storage

When not in use, store the fixture in a dry, dust-free environment, preferably in its original packaging or a protective case.

## 7. TROUBLESHOOTING

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If you encounter issues with your SHEHDS 300W LED Moving Head Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fixture does not power on.	No power supply; faulty cable.	Check power connection and outlet. Test with a different power cable.

Problem	Possible Cause	Solution
No DMX control.	Incorrect DMX address; faulty DMX cable; DMX termination issue.	Verify DMX address setting. Check DMX cable connections. Ensure proper DMX termination.
Gobo or color wheel not functioning smoothly.	Internal obstruction; calibration issue.	Perform a system reset or calibration via the control panel. If issues persist, contact support.
Fixture resets unexpectedly.	Power fluctuation; internal fault.	Ensure stable power supply. If frequent, contact customer support.

For issues not listed above or if solutions do not resolve the problem, please contact SHEHDS customer support.

## 8. SPECIFICATIONS

Attribute	Detail
Brand	SHEHDS
Model Number	moving head light
Color	Black
Shape	Rectangular
Material	Aluminum
Finish Type	Powder Coated
Light Source Type	Light Emitting Diode
Power Source	Corded Electric
Brightness	1500 lumen
Mounting Type	Table Mount
Bulb Features	DMX Control, Sound Activation, Strobe Effect, Color Changing, Adjustable Tilt and Pan, Gobos and Beam Effects
Number of Light Sources	1
Are Batteries Included	No
Product Dimensions	13"L x 8.66"W x 18.9"H
Item Weight	33.7 pounds
Date First Available	December 26, 2024
Size	300W Beam&Gobo Light

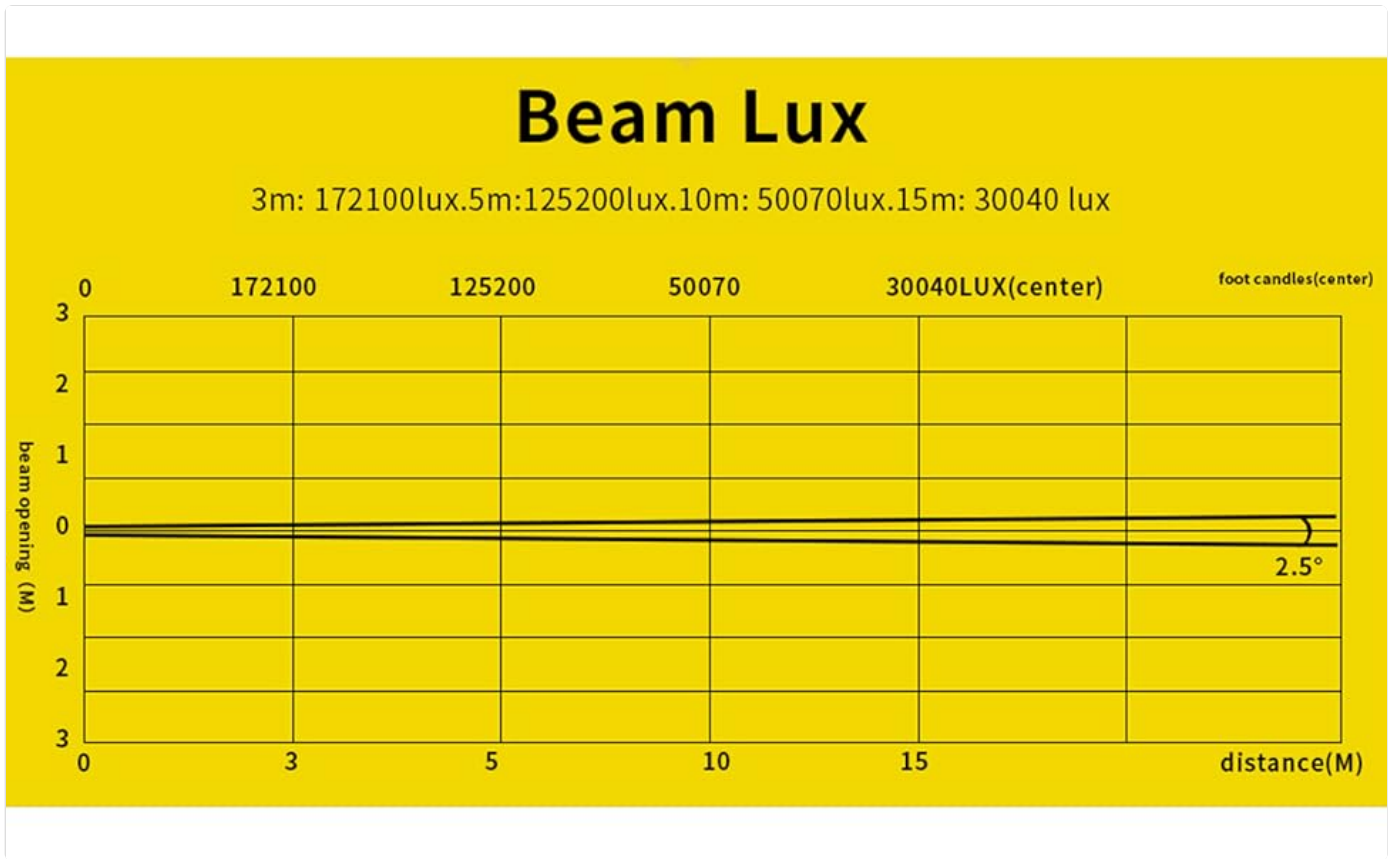


Figure 8.1: Beam Lux chart illustrating light intensity at various distances (3m: 172100lux, 5m: 125200lux, 10m: 50070lux, 15m: 30040lux).

## 9. WARRANTY AND SUPPORT

SHEHDS is committed to providing high-quality products and excellent customer service. Your SHEHDS 300W LED Moving Head Light comes with the following:

- **1 Month Replacement:** For any manufacturing defects within the first month of purchase.
- **1 Year Warranty:** Covering defects in materials and workmanship for one year from the date of purchase.
- **Instant Customer Service:** Dedicated support is available to assist with any inquiries or issues.

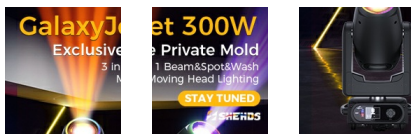


Figure 9.1: Icons representing customer service, 1-month replacement, and 1-year warranty.

For support, please visit the official SHEHDS store or contact their customer service team. Note: After setting the DMX address, as long as you press the OK key, even if you shut down and restart, the original DMX address will be retained.