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Betopper LC003-HB

BETOPPER 100W COB Stage Spotlight User Manual

Model: LC003-HB

1. INTRODUCTION

Thank you for choosing the BETOPPER 100W COB Stage Spotlight. This professional lighting fixture is designed for various applications including stage shows, concerts, theaters, churches, parties, and live events. It features advanced COB (Chip-on-Board) technology for high-intensity, uniform illumination and offers adjustable color temperatures. Please read this manual thoroughly before operation to ensure safe and correct use.

2. SAFETY INSTRUCTIONS

- Always connect the fixture to a grounded power outlet.
- Ensure the power supply voltage matches the specifications of the fixture (AC100-240V, 50/60Hz).
- Do not operate the fixture in wet or damp conditions. This product is not weatherproof.
- Avoid direct eye exposure to the light source when the fixture is operating.
- Ensure adequate ventilation around the fixture to prevent overheating. Do not block ventilation openings.
- Disconnect power before cleaning or servicing the fixture.
- Handle the fixture with care. Avoid dropping or subjecting it to strong impacts.
- Keep away from children.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- BETOPPER 100W COB Stage Spotlight (LC003-HB)
- Barndoors (pre-installed or included separately)
- Mounting Brackets and Screws
- Power Cable

- DMX Adapter Cable
- User Manual (this document)

4. PRODUCT FEATURES

- **COB Technology:** Utilizes Chip-on-Board LED for high-intensity, uniform light output.
- **Adjustable Color Temperature:** Offers warm white, cold white, and warm yellow light modes.
- **High CRI:** Color Rendering Index (RA>90) suitable for color-critical applications like studios and churches.
- **Barndoors:** Adjustable barndoors for precise light beam shaping and control.
- **Multiple Control Modes:** Auto, Sound-activated, DMX512, and Master-Slave modes.
- **Daisy-Chainable Design:** Power and DMX daisy-chaining for simplified setup with multiple units.
- **Durable Construction:** Robust aluminum casing for enhanced durability and heat dissipation.
- **Flexible Mounting:** Can be placed on the floor as an uplight or hung from a truss as a downlight.

5. SETUP

5.1 Mounting

The fixture comes with mounting brackets for versatile placement.

- **Floor Placement:** Use the brackets as a stable stand to position the light on a flat surface.
- **Truss Mounting:** Securely attach the brackets to a truss using appropriate clamps (not included). Ensure all connections are tight and stable. The fixture can rotate 360 degrees for optimal positioning.



Figure 5.1: Product dimensions and 360-degree rotation capability.

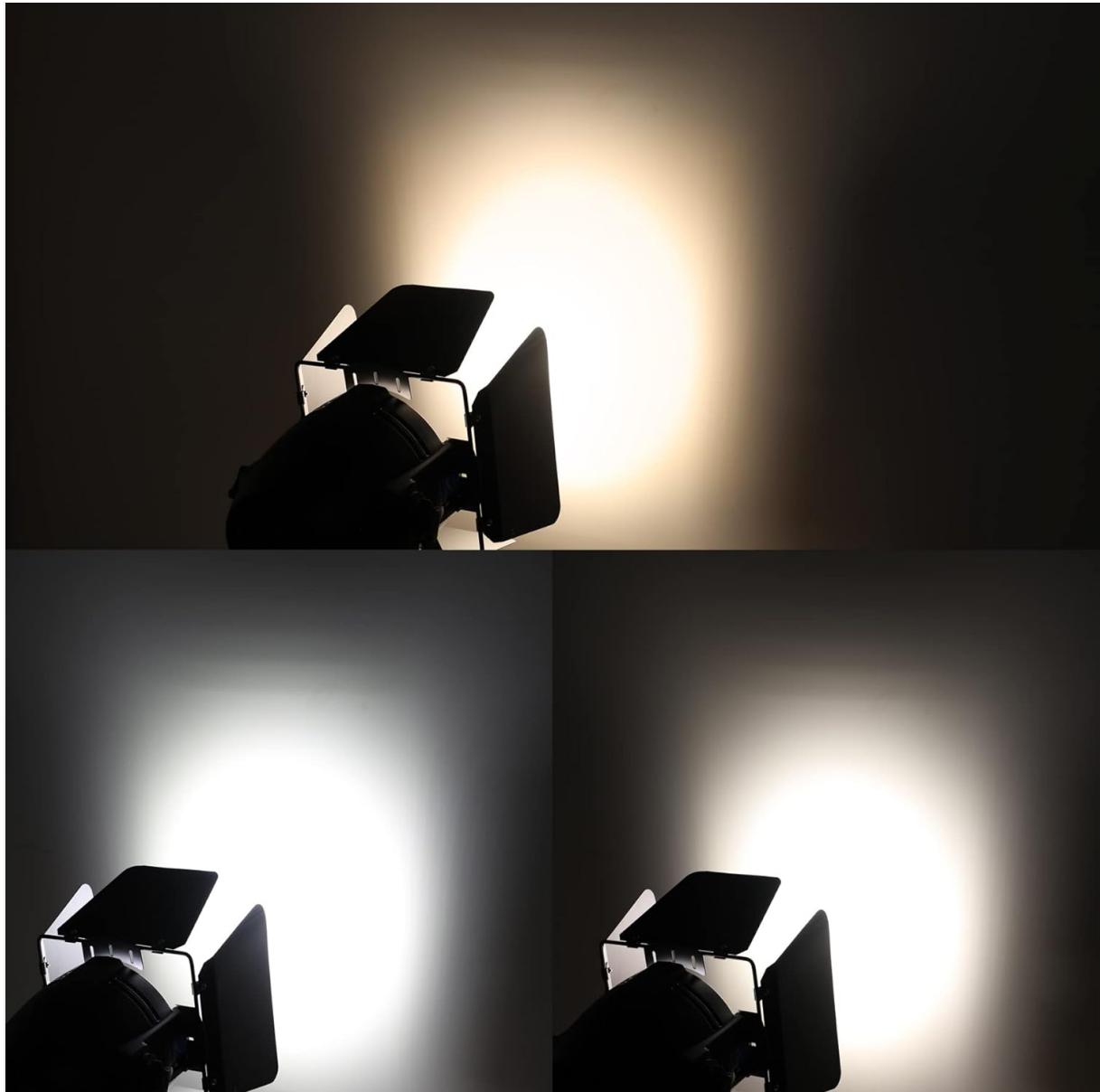


Figure 5.2: The COB stage spotlight with its adjustable barndoors.

5.2 Power Connection

Connect the provided power cable to the "POWER IN" port on the rear of the fixture and then to a suitable grounded power outlet. For daisy-chaining multiple units, connect the "POWER OUT" of the first fixture to the "POWER IN" of the next.

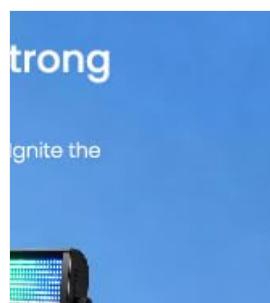


Figure 5.3: Rear panel with power and DMX connections, and daisy-chain setup.

5.3 DMX Connection (Optional)

To control the fixture via DMX, connect a DMX controller to the "DMX IN" port. For multiple fixtures, daisy-chain them by connecting the "DMX OUT" of one fixture to the "DMX IN" of the next. Ensure the last fixture in the chain has a DMX terminator (not included) for stable signal transmission.

6. OPERATING INSTRUCTIONS

The fixture features a digital display and control buttons (MENU, UP, DOWN, ENTER) on the rear panel for mode selection and parameter adjustment.

6.1 Control Panel Overview

- **MENU:** Cycles through different operating modes and settings.
- **UP/DOWN:** Adjusts parameter values or navigates through menu options.
- **ENTER:** Confirms selection or saves changes.

6.2 Operating Modes

The BETOPPER 100W COB Stage Spotlight supports the following operating modes:

- **Auto Mode:** The fixture runs through pre-programmed light sequences automatically.
- **Sound-Activated Mode:** The light reacts to ambient sound, changing patterns and intensity.
- **DMX512 Mode:** Allows external control via a DMX controller for precise lighting effects.
- **Master-Slave Mode:** One fixture acts as the master, controlling other linked fixtures (slaves) to synchronize effects.

6.3 Color Temperature Adjustment

The fixture offers three primary color temperature settings:

- **Warm White:** Provides a soft, yellowish light.
- **Cold White:** Emits a bright, bluish-white light.
- **Warm Yellow:** A warmer, more amber tone.

Use the control panel to select and adjust the desired color temperature and brightness.



Figure 6.1: Available color temperature modes.

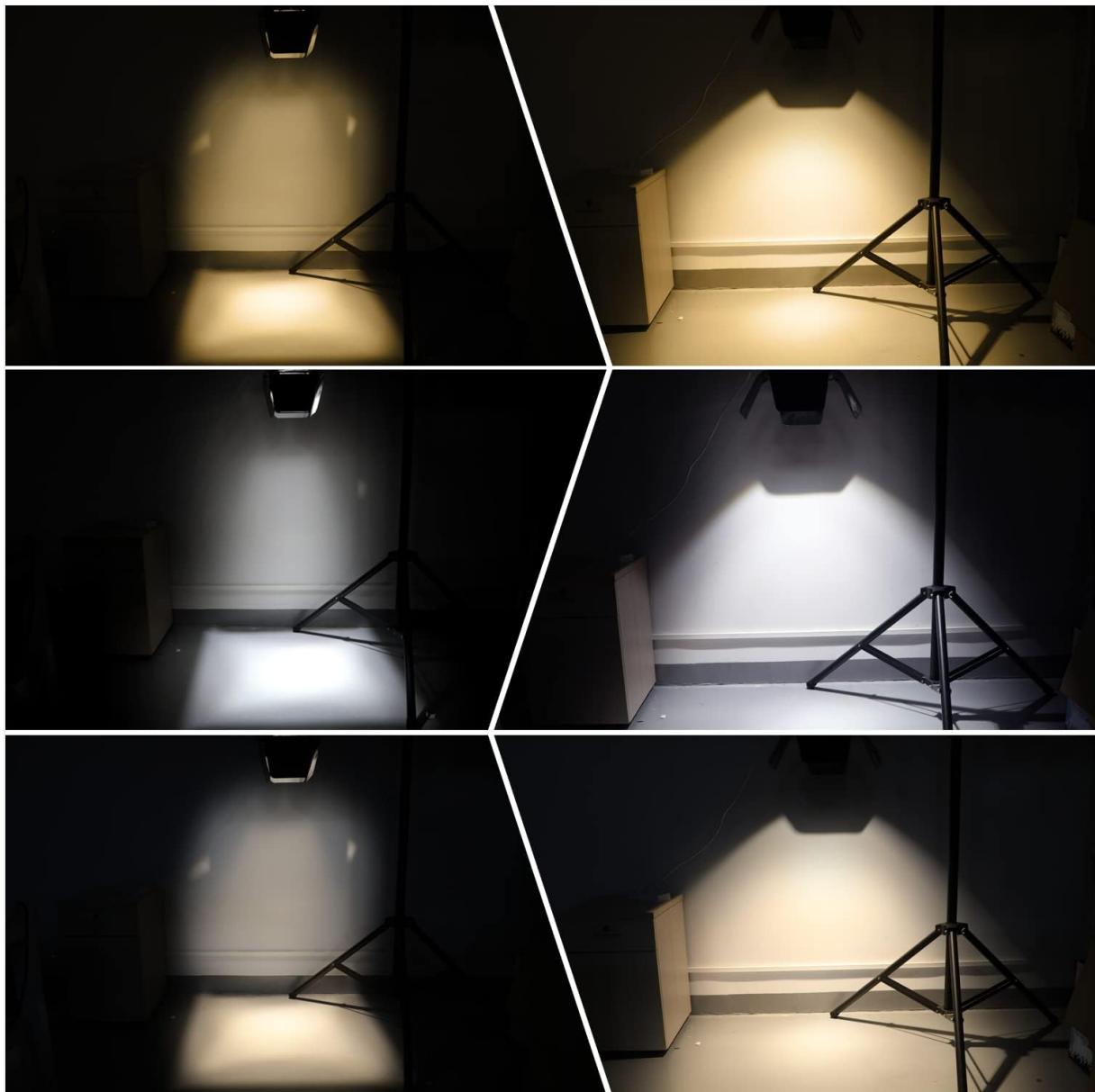


Figure 6.2: Visual representation of various light temperatures and dimming capabilities.

7. DMX CONTROL

The BETOPPER 100W COB Stage Spotlight can be controlled using a standard DMX512 controller. While a detailed DMX channel chart is typically provided with the product, general DMX functions often include:

- **Channel 1:** Dimmer (0-255 for brightness control)
- **Channel 2:** Warm White Intensity
- **Channel 3:** Cold White Intensity
- **Channel 4:** Strobe (speed adjustment)
- **Channel 5:** Color Temperature Selection (pre-set values)

Refer to the specific DMX channel chart included with your product for precise control mapping.

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Video 7.1: Demonstration of the BETOPPER 100W COB Stage Light's features and applications, including DMX control capabilities.

8. MAINTENANCE

- **Cleaning:** Regularly clean the lens and housing with a soft, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Ventilation:** Ensure the cooling fan and ventilation openings are free from dust and debris to maintain optimal thermal performance.
- **Storage:** When not in use, store the fixture in a dry, dust-free environment.
- **Inspection:** Periodically check all cables and connections for signs of wear or damage.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Fixture does not power on.	No power supply; faulty cable; internal issue.	Check power connection and outlet. Test with a different power cable. If problem persists, contact support.
No light output.	Dimmer set to 0; incorrect mode; internal fault.	Increase dimmer setting. Cycle through operating modes. If still no light, contact support.
DMX control not working.	Incorrect DMX address; faulty DMX cable; missing terminator; DMX controller issue.	Verify DMX address settings. Check DMX cable connections. Ensure a DMX terminator is used on the last fixture. Test with a different DMX controller.
Fan noise is loud.	Normal operation; dust in fan; fan malfunction.	Some fan noise is normal for cooling. Clean fan and vents. If noise is excessive or unusual, contact support.

10. SPECIFICATIONS

Feature	Detail
Model Number	LC003-HB
Light Source Type	COB LED
Wattage	100 Watts
Brightness	4542 Lumens
Color Temperature Modes	Warm White, Cold White, Warm Yellow
Color Rendering Index (CRI)	RA>90
Control Modes	Auto, Sound, DMX512, Master-Slave
Power Source	Corded Electric (AC100-240V, 50/60Hz)
Material	Aluminum
Product Dimensions	10"L x 8"W x 7.9"H
Item Weight	8.46 pounds (approx. 3.85 kg)

Feature	Detail
UPC	749355375202

11. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact BETOPPER customer service directly. Keep your purchase receipt as proof of purchase.

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