Betopper LPC010-B-1

Betopper 54x4W High CRI Par Light User Manual

Model: LPC010-B-1

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1. Introduction

The Betopper 54x4W High CRI Par Light (Model LPC010-B-1) is a versatile and powerful LED stage lighting fixture designed for various applications including photography, studio lighting, video recording, parties, clubs, weddings, and shows. It features 54x4W RGBW 4-in-1 LED bulbs, delivering up to 5600 lumens of ultra-bright illumination. With a Color Rendering Index (CRI) of over 90 in high CRI mode, this light ensures exceptional color accuracy, making objects and skin tones appear natural and vibrant.

The fixture includes adjustable barn doors for precise light angle control and offers flexible control modes such as DMX, automatic, and sound-activated operation. Its robust aluminum construction ensures durability, while efficient heat management keeps the unit cool during extended use.



Figure 1.1: Betopper 54x4W High CRI Par Light with barn doors attached.



Figure 1.2: The Betopper Par Light is suitable for diverse applications including parties, clubs, shows, and weddings.

2. Setup

2.1 Unpacking and Inspection

Carefully remove the Betopper Par Light from its packaging. Inspect all components for any signs of damage during transit. If any damage is found, contact customer support immediately.

2.2 Package Contents

The package should contain the following items:

- Betopper 54x4W High CRI Par Light
- Barn Doors (4 pieces)
- Power Cable

- Mounting Bracket
- Screws for mounting and barn doors
- Instruction Manual (this document)



Figure 2.1: Included components and a detailed view of the control panel and connections.

2.3 Attaching Barn Doors

The four barn doors are designed for easy installation. Align the holes on the barn doors with the corresponding screw points on the front of the light fixture. Secure them using the provided screws. Ensure they are firmly attached but can still be adjusted to control the light beam angle.

2.4 Mounting the Light

The light comes with a mounting bracket for versatile placement. Attach the bracket to the sides of the light using the provided screws. The bracket allows for floor mounting or attachment to a truss system. Ensure the mounting surface or structure is stable and capable of supporting the weight of the fixture.

2.5 Power Connection

Connect the provided power cable to the "POWER IN" port on the rear of the fixture. This light requires a standard three-prong power source. Ensure the power source matches the voltage requirements specified in the technical specifications. The fixture also features a "POWER OUT" port for daisy-chaining multiple units.

3. Operation

3.1 Control Panel Overview

The control panel on the rear of the fixture features an LED display and four buttons: MENU, UP, DOWN, and ENTER. These buttons are used to navigate through the various settings and modes.

3.2 Operating Modes

The Betopper Par Light supports multiple operating modes:

- **DMX Mode:** For professional control via a DMX512 controller. Connect a DMX cable from your controller to the "DMX IN" port. Use the control panel to set the DMX address.

- **Automatic Mode:** The light cycles through pre-programmed color changes and effects automatically.
- **Sound-Activated Mode:** The light reacts to ambient sound or music, changing colors and patterns in sync with the beat.
- **Master/Slave Mode:** Link multiple fixtures together. Set one unit as the Master and others as Slaves. Slave units will mirror the Master's operation.
- **Static Color Mode:** Select and display a single, fixed color.



Figure 3.1: The light supports DMX, Sound, Auto, and Master-Slave control modes.

3.3 Color Control (RGBW)

The fixture utilizes RGBW (Red, Green, Blue, White) 4-in-1 LEDs, allowing for a vast spectrum of colors. The addition of a dedicated white LED provides brighter and purer colors compared to traditional RGB lights.



Figure 3.2: Examples of individual RGBW light outputs and mixed colors.

3.4 Adjusting CRI Mode

The Betopper Par Light features a high CRI mode (CRI > 90) for superior color accuracy, essential for photography and video applications. To adjust the CRI mode:

1. Press the **MENU** button.
2. Navigate to the "Ct" (Color Temperature) setting using the**UP** or **DOWN** buttons, then press **ENTER**.
3. Use the **UP** or **DOWN** buttons to adjust the CRI range (typically 01-09).
4. Press **ENTER** to confirm your selection.

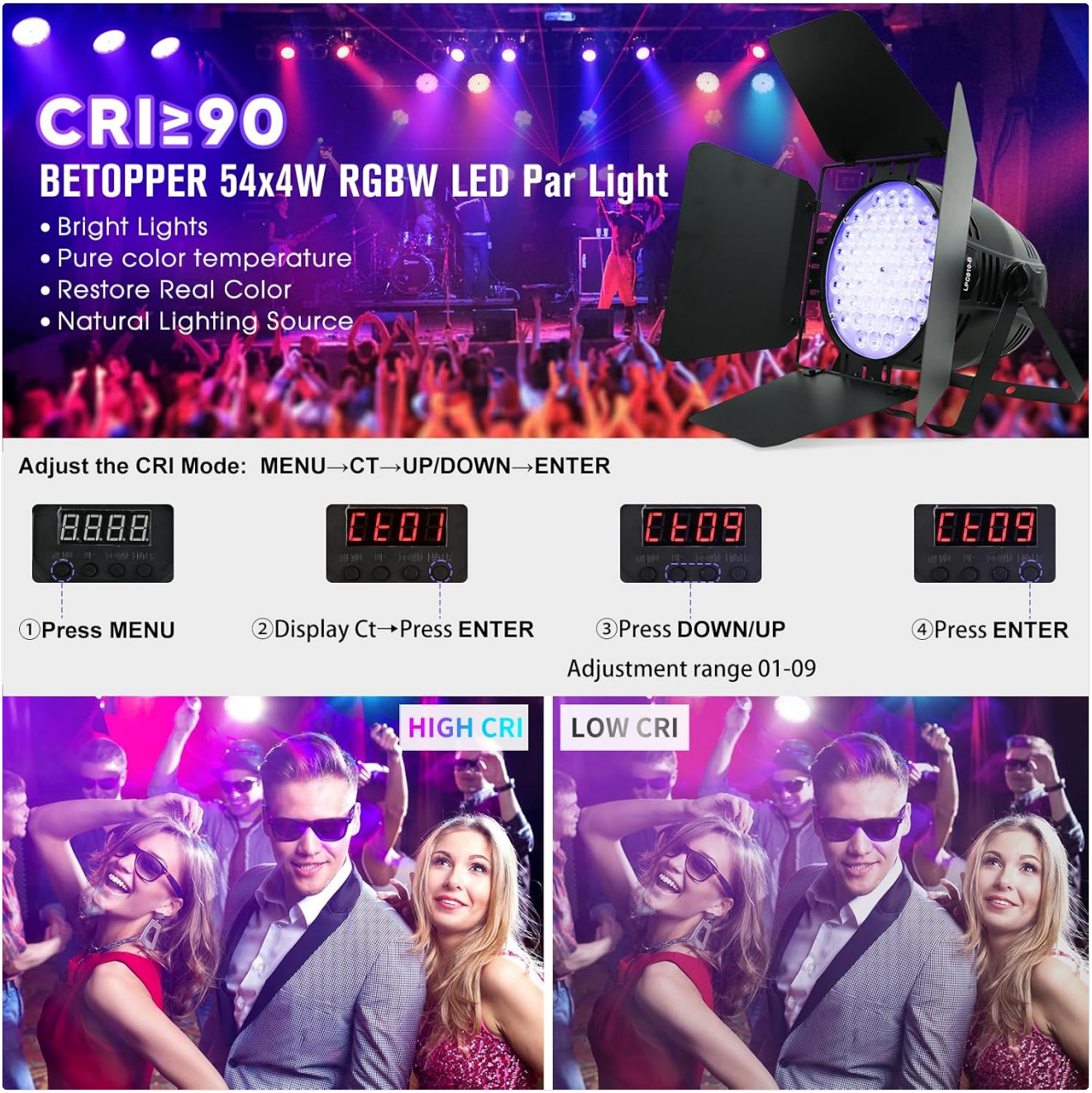


Figure 3.3: Steps for adjusting the Color Rendering Index (CRI) mode.



Figure 3.4: Visual explanation of Color Rendering Index (CRI) and its impact on color perception.

4. Maintenance

4.1 Cleaning

To ensure optimal performance and longevity, regularly clean the exterior of the fixture. Use a soft, lint-free cloth to wipe away dust and debris. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or internal components.

4.2 Fan and Ventilation

The fixture is equipped with a cooling fan to dissipate heat. Ensure that the ventilation openings are not obstructed. Periodically check for dust buildup around the fan and vents. If necessary, use compressed air to gently clear any blockages. Proper airflow is crucial for maintaining the light's performance and preventing overheating.

4.3 Storage

When not in use for extended periods, store the light in a dry, dust-free environment, preferably in its original packaging or a protective case. This will help prevent damage and keep the unit in good condition.

5. Troubleshooting

This section provides solutions to common issues you might encounter with your Betopper Par Light. If the problem persists after trying these steps, please contact customer support.

Problem	Possible Cause	Solution
Light does not turn on.	No power, faulty cable, or internal issue.	1. Ensure the power cable is securely connected to both the light and a working power outlet. 2. Test the power outlet with another device. 3. Try a different power cable if available.
Incorrect colors or no color change.	Incorrect mode setting, DMX issue, or internal fault.	1. Check the operating mode (Auto, Sound, DMX, Static Color) on the control panel. 2. In DMX mode, verify the DMX address and channel settings match your controller. 3. Ensure DMX cables are properly connected and not damaged.
Light is unresponsive to sound.	Not in Sound-Activated mode, or microphone sensitivity too low.	1. Confirm the light is set to Sound-Activated mode. 2. Increase the microphone sensitivity setting via the control panel if available. 3. Ensure there is sufficient sound for the light to react.

Problem	Possible Cause	Solution
Barn doors are difficult to adjust or misaligned.	Screws too tight or minor manufacturing variance.	1. Loosen the barn door screws slightly to allow for easier movement. 2. If a screw hole doesn't align perfectly, gently adjust the barn door position while tightening.

6. Technical Specifications

Below are the detailed technical specifications for the Betopper 54x4W High CRI Par Light (Model LPC010-B-1).

Feature	Specification
Model Number	LPC010-B-1 (BTUSLPC010B)
Light Source Type	Light Emitting Diode (LED)
Number of Light Sources	54 x 4W RGBW 4-in-1 LEDs
Brightness	Up to 5600 Lumens
Color Rendering Index (CRI)	>90 (in high CRI mode), 96 (general)
Color Temperature	5600 Kelvin
Wattage	120 Watts (Max Compatible), 216 Watts (Light Source)
Power Source	Corded Electric
Material	Aluminum
Product Dimensions (L x W x H)	8.6" x 4" x 11" (21.8cm x 10.2cm x 27.9cm)
Item Weight	7.28 pounds (3.3 kg)
Mounting Type	Floor Mount (with included bracket)
Control Modes	DMX512, Automatic, Sound-activated, Master/Slave
Bulb Features	Color-changing, Sound-activated, RGBW light source

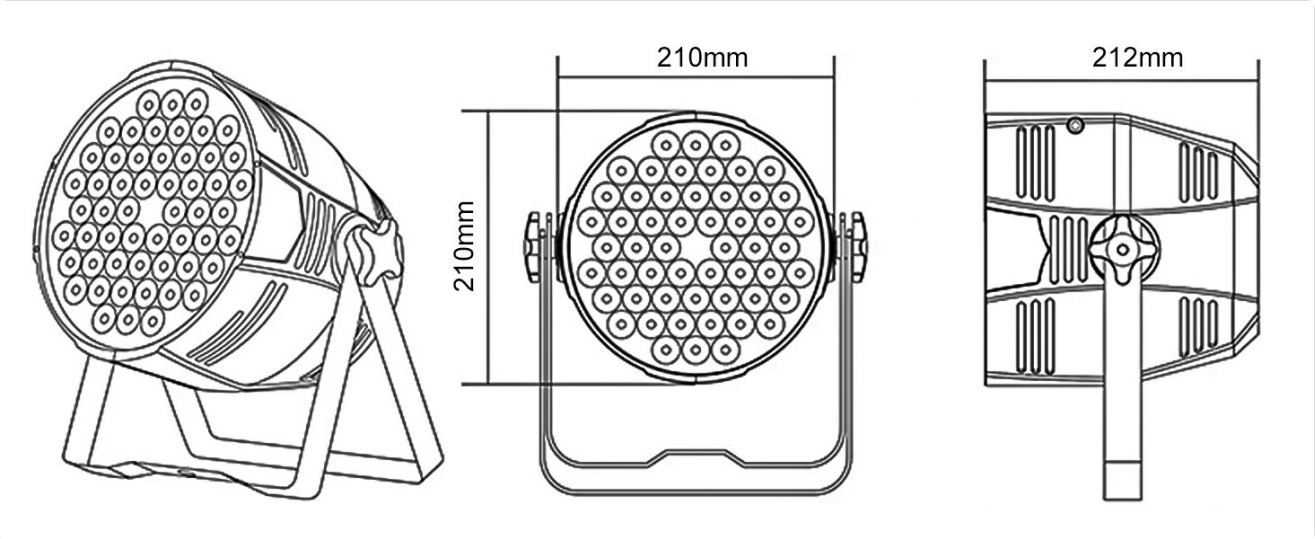


Figure 6.1: Dimensional drawing of the Betopper Par Light.

7. Warranty & Support

7.1 Warranty Information

Betopper products are manufactured to high quality standards. For detailed information regarding the warranty period and terms for your Betopper 54x4W High CRI Par Light, please refer to the warranty card included with your product packaging or visit the official Betopper website. Keep your purchase receipt as proof of purchase for any warranty claims.

7.2 Customer Support

If you have any questions, require technical assistance, or encounter issues not covered in this manual, please contact Betopper customer support. You can find contact information on the official Betopper website or through the retailer where you purchased the product.
Visit the official Betopper Store on Amazon for more information and support:Betopper Amazon Store

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