MELPO BLFL-LFBA

MELPO RGBW LED Flood Light User Manual

Model: BLFL-LFBA

1. Introduction

This manual provides detailed instructions for the safe and effective use of your MELPO RGBW LED Flood Light. Please read this manual thoroughly before installation and operation, and retain it for future reference.

2. Safety Instructions

- Always disconnect power before installation or maintenance.
- Ensure the power supply voltage matches the product's requirements (85-265V).
- The product is IP66 waterproof, suitable for outdoor use, but it must not be submerged in water.
- Do not attempt to disassemble or modify the product. This will void the warranty and may cause electrical hazards.
- Keep the remote control away from water and extreme temperatures.
- Ensure proper grounding for electrical safety.

3. Package Contents

The MELPO RGBW LED Flood Light package typically includes:

- 2 x MELPO 50W RGBW LED Flood Lights
- 2 x Remote Control
- 1 x User Manual

4. Product Overview

The MELPO RGBW LED Flood Light is a versatile lighting solution designed for both indoor and outdoor applications. It features 120 RGB colors plus warm white (2700K), dimmable brightness, and various dynamic modes, all controllable via an infrared remote.



Image of two MELPO 50W RGBW LED Flood Lights and their accompanying remote controls. The floodlights are black with a clear front panel displaying vibrant colors, and the remote features numerous buttons for color and mode selection.

5. Installation

5.1 Mounting

The floodlight features an adjustable bracket for wall mounting. Secure the bracket to a stable surface using appropriate hardware (not included). Adjust the light angle as needed, up to 360 degrees rotation on the bracket.

5.2 Power Connection

Connect the 6.56ft (2m) power cable to a standard 85-265V AC power outlet. Ensure the connection is secure and protected from water if used outdoors.

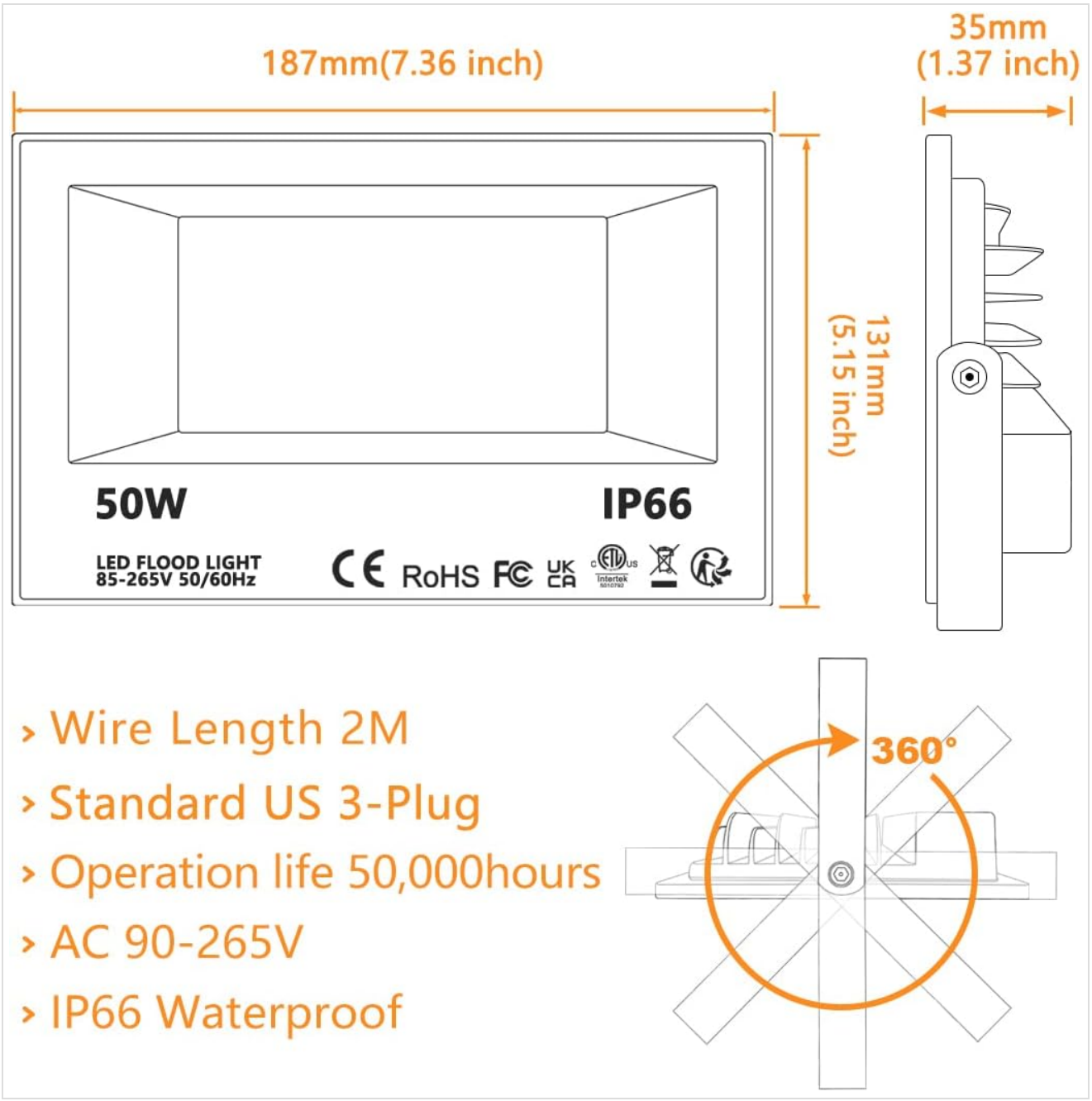


Diagram illustrating the dimensions of the MELPO 50W RGBW LED Flood Light (7.36 inches L x 1.37 inches W x 5.15 inches H) and its 360-degree adjustable bracket. Key specifications like 2M wire length, standard US 3-plug, 50,000 hours operation life, AC 90-265V input, and IP66 waterproof rating are also shown.

6. Operation

The MELPO RGBW LED Flood Light is controlled using the included infrared remote control. Ensure the remote is pointed towards the IR signal acceptor on the floodlight for proper function.



Diagram of the MELPO RGBW LED Flood Light remote control, detailing the function of each button. Buttons include power on/off, brightness adjustment, color selection wheel, preset dynamic modes (Smooth, Cozy, Fresh, Romantic), custom DIY flash mode, timer, and store keys.

6.1 Power On/Off

Press the power button on the remote to turn the light on or off.

6.2 Color Selection

Use the color wheel on the remote to select from 120 RGB colors or the dedicated warm white (2700K) button.

6.3 Brightness Adjustment

Use the "Dim up" and "Dim down" buttons to adjust the light intensity.

6.4 Dynamic Modes

Select from four preset dynamic modes:

- **Smooth:** Fades through colors.
- **Cozy:** Creates a warm, inviting ambiance.
- **Fresh:** Displays cool, vibrant colors.
- **Romantic:** Cycles through soft, romantic hues.

6.5 Custom Mode (DIY Flash)

To create personalized flashing effects:

1. Press the "DIY-FLASH" button.
2. Select up to 10 colors from the color wheel.
3. Adjust the flash speed using the "Dim up" (speed up) and "Dim down" (speed down) buttons.

6.6 Timing Function

To schedule automatic operation:

1. Press the "Timer" button.
2. Set the desired turn-on and turn-off times. The light will automatically activate and deactivate daily at the set times.
3. Example: Set to turn on at 7:00 PM (red) and turn off at 12:00 AM.

6.7 Memory Function

The light retains the last selected color and mode settings when powered off and on.

6.8 Synchronization

When multiple MELPO floodlights are used, their color changes can be synchronized when using dynamic modes.

7. Features

- **120 RGB Colors + Warm White (2700K):** Offers a wide spectrum of lighting options.
- **Dimmable:** Adjustable brightness for various moods and applications.
- **IP66 Waterproof:** Designed to withstand outdoor conditions (rain, sleet, snow).
- **Durable Construction:** Made with high-quality die-cast aluminum housing and tempered glass.
- **Timing Function:** Schedule automatic on/off times daily.
- **Custom Mode (DIY Flash):** Create personalized flashing or strobing effects with up to 10 colors.
- **4 Preset Dynamic Modes:** Smooth, Cozy, Fresh, Romantic for instant ambiance.
- **Memory Function:** Retains last settings.
- **Sync Function:** Multiple lights can synchronize dynamic color changes.
- **Wide Application:** Suitable for landscape lighting, stage lighting, wall washing, accent lighting, and decorative purposes for holidays and events.



An outdoor scene depicting a house and garden illuminated by MELPO floodlights during rainfall, highlighting the IP66 waterproof rating. Text overlays indicate 'IP66 WATERPROOF' and list features like 'Multiple colors', '50W RGBW lights', 'White light (RGB mixed)', 'DIY mode', 'Dimmable', 'Timing function', 'White strobe', and '90V-240V universal'.



Two images demonstrating the versatility of the MELPO floodlights. The top image shows an indoor event space illuminated with purple and pink lighting, labeled 'Indoor'. The bottom image shows an outdoor landscape with trees lit in blue, purple, and orange, labeled 'Outdoor'.



An outdoor patio scene at dusk, showcasing the timing function of the MELPO floodlights. Text indicates 'Pm19:00 turn on Am07:00 turn off' for one light and 'Pm17:00 turn on Am06:00 turn off' for another, illustrating scheduled operation. A clock icon with 'Timing function' and 'Regularly turn on the lights and turn off the lights' is also present.



A collage of six images showing a house illuminated with different colors by MELPO floodlights, including yellow, teal, purple, pink, and multi-color effects on a patio and a large building. This demonstrates the range of color options and their application in landscape and architectural lighting.

8. Maintenance

8.1 Cleaning

Ensure the light is off and cool before cleaning. Wipe the surface with a soft, damp cloth. Do not use abrasive cleaners or solvents.

8.2 Inspection

Periodically check the power cable and housing for any signs of damage. If damage is found, discontinue use and contact customer support.

9. Troubleshooting

- **Light does not turn on:**
  - Check power connection.
  - Ensure the power outlet is functional.
  - Verify the remote control batteries are not depleted.
  - Point the remote directly at the light's IR receiver.
- **Remote control not responding:**
  - Replace remote batteries.
  - Ensure there are no obstructions between the remote and the light.
  - Confirm the remote is within effective range.
- **Timing function not working:**
  - Re-program the timing settings carefully following the instructions.
  - Ensure the light remains powered on (not physically unplugged) for the timer to function.
- **Colors are inconsistent or flickering:**
  - Check for stable power supply.
  - If multiple lights are affected, ensure they are within range of the remote and not experiencing interference.

10. Specifications

Specification	Detail
Model Number	BLFL-LFBA
Power	50W
Equivalent Wattage	500W
Color Options	120 RGB Colors + Warm White (2700K)
LED Initial Flux	5000LM
Dimmable	Yes
Light Beam Angle	120°
Input Voltage	85-265V AC Universal
Cable Length	6.56ft (2m)
Waterproof Rating	IP66
Material	Aluminum, Glass

Specification	Detail
Product Dimensions (L x W x H)	7.4" x 1.46" x 7.48"
Item Weight	3.39 Pounds
Operation Life	50,000 hours
Control Method	Remote Control

11. Warranty and Support

MELPO offers a 2-year warranty for this product. If you encounter any issues or require assistance, please contact MELPO customer service. Refer to your purchase documentation for specific contact details.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question