

[Manuals.plus](#) /

› [MELPO](#) /

› MELPO 50W RGB LED Flood Light Outdoor Instruction Manual (Model BRFL-FL03)

MELPO BRFL-FL03

MELPO 50W RGB LED Flood Light Outdoor Instruction Manual

Model: BRFL-FL03

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your MELPO 50W RGB LED Flood Light. This product is designed for outdoor landscape and accent lighting, offering a wide range of colors and modes for various applications. Please read this manual thoroughly before installation and use, and retain it for future reference.



Image 1: MELPO 50W RGB LED Flood Lights (Pack of 2) and included remote control.

2. SAFETY INSTRUCTIONS

- Ensure the power supply is disconnected before installation, maintenance, or cleaning.
- This product is rated IP66 waterproof, suitable for outdoor use. However, do not submerge it in water.
- The operating voltage is 85-265V. Ensure your power source matches this requirement.
- Use only the provided US 3-plug power cord. Do not modify the plug.
- Do not stare directly into the LED light source when illuminated, as it may cause eye strain.
- Keep the product away from flammable materials.
- If any damage is observed, discontinue use immediately and contact customer support.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 2 x MELPO 50W RGB Flood Lights
- 2 x IR Remote Control
- 1 x User Manual (this document)

4. PRODUCT FEATURES

The MELPO 50W RGB LED Flood Light offers the following features:

- **Power:** 50W per light
- **Input Voltage:** 85-265V AC
- **Color Options:** 12 RGB colors and white light (RGB mixed)
- **Modes:** 4 preset modes (Fresh, Romantic, Smooth, DIY Flash)
- **Dimmable:** Adjustable brightness via remote control
- **Timing Function:** Schedule automatic on/off times daily
- **Memory Function:** Retains last used settings after power off
- **Waterproof Rating:** IP66 (dust-tight and protected against powerful water jets)
- **Beam Angle:** 180 degrees
- **Cable Length:** 6.56ft / 2m with US 3-plug
- **Material:** Aluminum, Tempered Glass
- **Lifespan:** Approximately 50,000 hours



Image 2: Key features of the MELPO 50W RGB LED Flood Light, including IP66 waterproof rating.



Indoor



Outdoor



Patio



Illumination

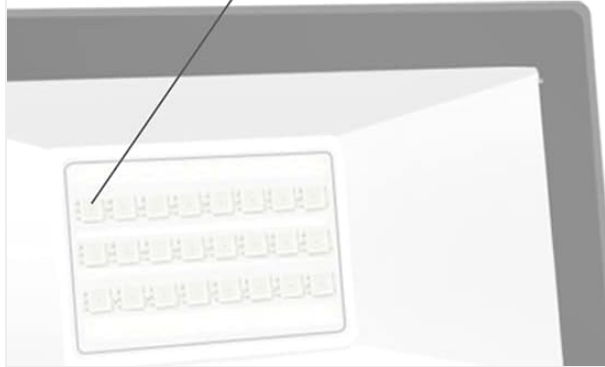
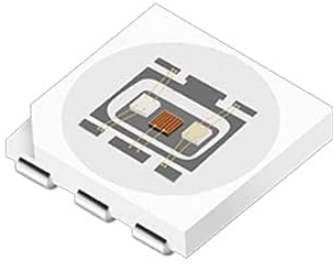
Image 3: Versatile applications of the flood lights, including indoor events, outdoor pool lighting, patio ambiance, and general illumination.

Chip comparison

Ours

(Original wavelength craft)

Color is vivid and true, it won't be faded after long-time using. ✓



Others

(Phosphor color mixing craft)

- ✗ Color is not accurate, especially red, orange, purple, yellow and other colors.
- ✗ After half a year of using, the light decay is serious. The color is far from the original.



Image 4: Illustration of LED chip technology, highlighting the original wavelength craft for vivid and accurate colors that resist fading.



Image 5: Demonstrates various color outputs of the flood light, showcasing its ability to create different lighting moods.

5. SETUP AND INSTALLATION

5.1 Mounting

The flood light features an adjustable metal bracket for flexible mounting. It can be wall-mounted, ceiling-mounted, or placed on the ground. Ensure the mounting surface is stable and can support the weight of the light.

- Position the light in the desired location.
- Mark the drilling points for the bracket.
- Drill holes and secure the bracket using appropriate screws (not included).
- Adjust the angle of the light by loosening the screws on the side of the bracket, tilting the light, and then tightening the screws to secure the position. The light can rotate up to 360 degrees on its axis.

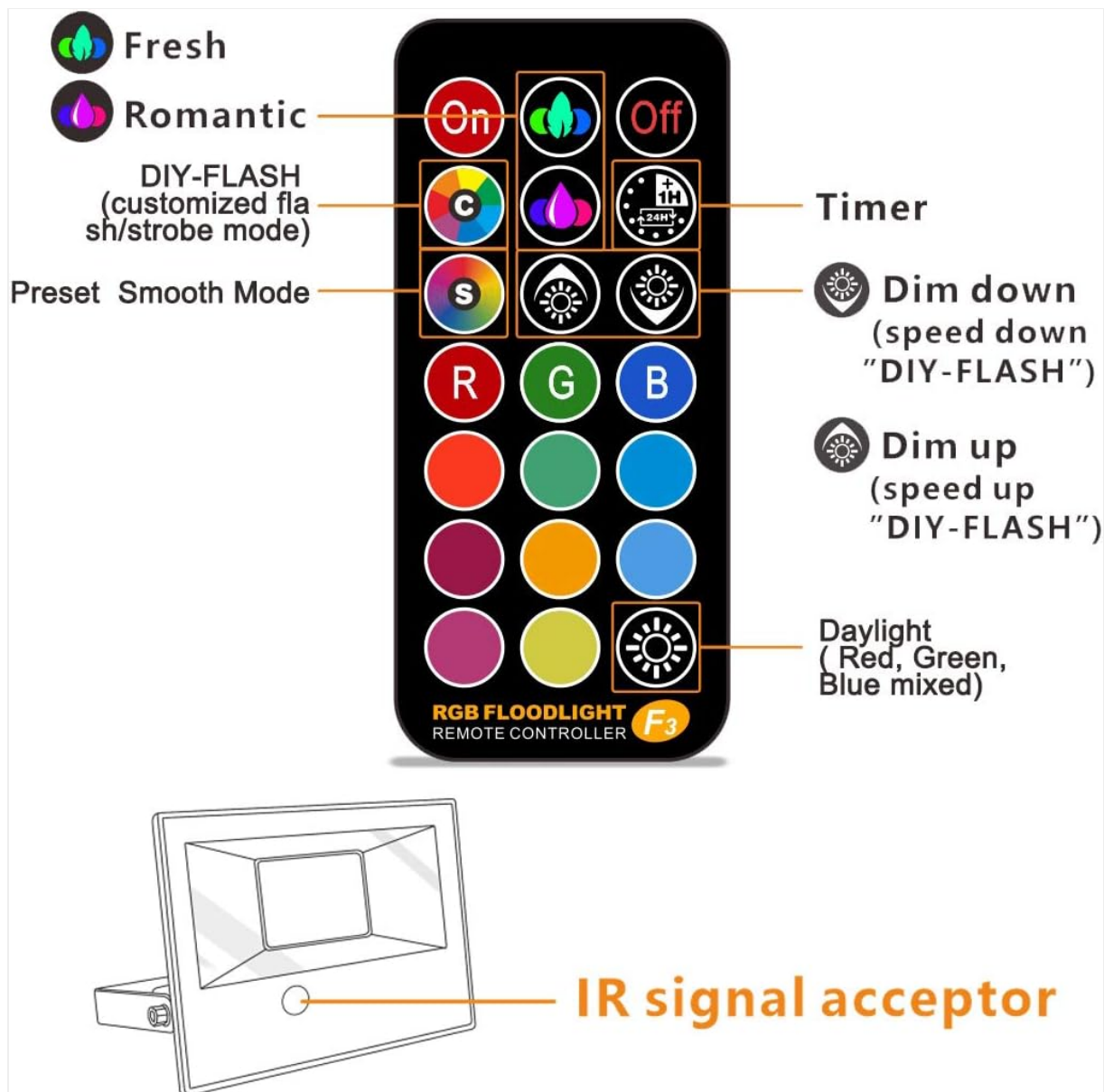


Image 6: Product dimensions and adjustable bracket for 360-degree rotation.

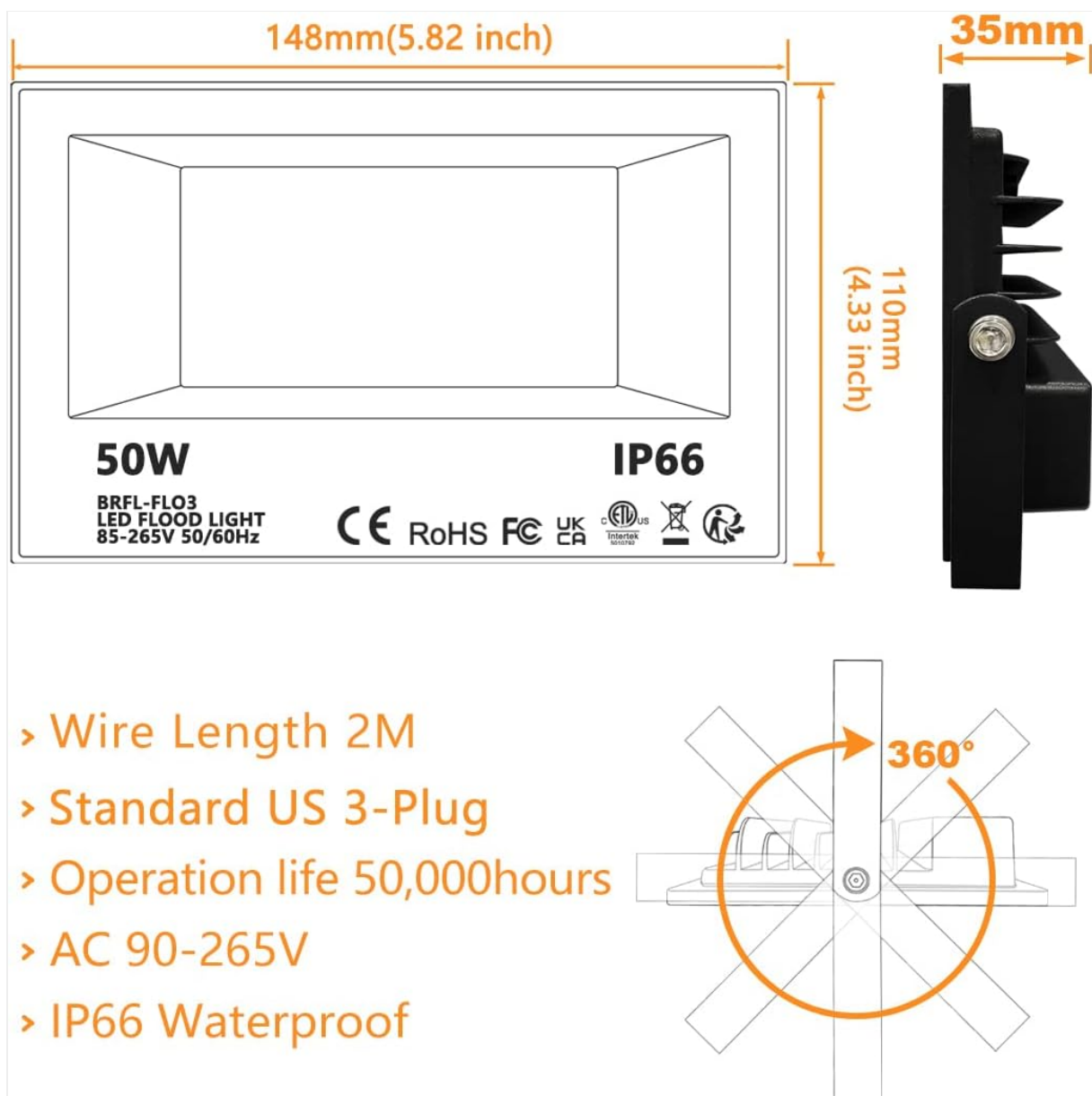
5.2 Electrical Connection

Connect the US 3-plug power cord to a standard 85-265V AC power outlet. Ensure the outlet is protected from direct water exposure, even though the light itself is IP66 rated.

6. OPERATING INSTRUCTIONS

6.1 Remote Control Functions

The MELPO flood light is controlled by the included IR remote. Point the remote directly at the IR signal acceptor on the light for optimal response.



- > Wire Length 2M
- > Standard US 3-Plug
- > Operation life 50,000hours
- > AC 90-265V
- > IP66 Waterproof

Image 7: Remote control layout and corresponding functions.

- **On/Off:** Power button to turn the light on or off.
- **Color Buttons:** Select from 12 distinct RGB colors.
- **White Light:** Activates a mixed white light.
- **Dim Up/Down:** Adjusts the brightness of the selected color or mode. For DIY Flash mode, these buttons control the flashing speed.
- **Timer:** Activates the timing function (see section 6.3).
- **Mode Buttons:**
 - **Fresh:** A dynamic color changing mode.
 - **Romantic:** A softer, more gradual color transition mode.
 - **Smooth:** A continuous, smooth color cycle.
 - **DIY-FLASH:** Allows customization of color change order and flashing speed. Press the DIY-FLASH button, then use the color buttons to select colors for the sequence, and Dim Up/Down to adjust speed.

6.2 Memory Function

The flood light is equipped with a memory function. When the light is turned off and then back on, it will resume the last selected color or mode and brightness setting.

6.3 Timing Function

The built-in timing chips allow you to set a daily automatic on/off schedule for your preferred color or mode.

- Press the **Timer** button on the remote control.
- The light will flash once to confirm the timing function is activated.
- The light will now turn on and off at the same time each day as it was when the timer was set.
- To deactivate the timing function, press the **Timer** button again. The light will flash twice to confirm deactivation.



Image 8: Illustration of the timing function, showing lights turning on and off at set times.

7. MAINTENANCE

- **Cleaning:** Disconnect power before cleaning. Wipe the light's surface with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the power cord and plug for any signs of damage. Ensure all mounting screws are tight.
- **Storage:** If storing the lights for an extended period, ensure they are clean and dry, and store them in a cool, dry place.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; remote control battery low; light is off.	Check power connection; replace remote battery; press "On" button on remote.
Remote control not working.	Remote battery low/dead; remote not pointed at IR acceptor; obstruction.	Replace remote battery; ensure direct line of sight to the light's IR acceptor; remove obstructions.
Colors are inaccurate or faded.	Internal component issue.	Contact customer support.
Timing function not working.	Timing function not properly activated or deactivated.	Re-activate the timing function as per section 6.3.

9. SPECIFICATIONS

- **Model:** BRFL-FL03
- **Power:** 50W
- **Input:** 85-265V AC, 50/60Hz
- **Cable Length:** 2m (6.56ft)
- **Dimmable:** Yes (via remote control)
- **Colors:** 12 RGB Colors
- **Preset Modes:** Fresh, Romantic, Smooth
- **Custom Mode:** DIY Flash
- **Timing Function:** Yes
- **Memory Function:** Yes
- **Beam Angle:** 180 degrees
- **Waterproof Rating:** IP66
- **Material:** Aluminum, Tempered Glass
- **Product Dimensions:** 7.4"L x 1.46"W x 7.48"H (188mm x 37mm x 190mm)
- **Item Weight:** 2.51 pounds (1.14 kg)
- **Certifications:** ETL, CE, RoHS, FCC

10. WARRANTY AND SUPPORT

MELPO provides a **2-year warranty** for this product. If you encounter any issues or have questions regarding your MELPO 50W RGB LED Flood Light, please do not hesitate to contact MELPO customer service for assistance. For support, please visit the official MELPO store or contact their customer service channels.

Note: The warranty covers manufacturing defects. Damage due to improper installation, misuse, or unauthorized modifications is not covered.

