

Meloght MEFLI20

Meloght 50W RGBW Outdoor Flood Light User Manual

Model: MEFLI20

1. INTRODUCTION

Thank you for choosing the Meloght 50W RGBW Outdoor Flood Light. This product is designed to provide versatile and vibrant lighting for various indoor and outdoor applications. Featuring RGBW color changing capabilities, remote control operation, and a durable waterproof design, this flood light offers customizable illumination for different environments and occasions. Please read this manual thoroughly before installation and operation to ensure proper use and longevity of your product.

2. SAFETY INFORMATION

- Ensure the power supply is disconnected before installation or maintenance.
- This product is rated IP65 for water resistance, making it suitable for outdoor use. However, the power adapter is **not waterproof** and must be protected from moisture.
- Do not look directly into the LED light source when it is illuminated, as this may cause eye strain or damage.
- Operate the flood light within the specified working temperature range of -20°C to 50°C (-4°F to 122°F).
- Keep the product away from flammable materials.
- Only use the provided power cord and remote control.
- If any damage is observed, discontinue use immediately and contact customer support.

3. PACKAGE CONTENTS

Verify that all components are present and in good condition:

- LED Flood Light (x2)
- Remote Control (x2)
- User Manual

4. PRODUCT FEATURES

- **RGBW Color Changing:** Offers 16 million colors, 2700K warm white light, and adjustable color temperature.
- **Brightness Adjustment:** Dimmable from 1% to 100%.
- **Dynamic Modes:** Features 7 dynamic modes for various lighting effects.
- **Remote Control:** Conveniently adjust settings from a distance of up to 8 meters.
- **Timer Function:** Built-in timer with 3H/6H/12H settings for automatic on/off.
- **Memory Function:** Retains the last used color and mode settings.
- **Durable Construction:** Aluminum housing for efficient heat dissipation and long lifespan (up to 30,000 hours).
- **Waterproof Design:** IP65 rated for outdoor use, resistant to rain and harsh weather.
- **Flexible Installation:** Supports both floor stand and wall-mounted installations.



Holiday



Party

DIY YOUR OWN SPACE STYLE

Use colorful lights to design your space and change the theme



Sport



Livestream

Illustrates the versatility of the flood light for different occasions like holidays, parties, sports, and livestreams.

5. SETUP AND INSTALLATION

5.1 Unpacking

Carefully remove the flood light and its accessories from the packaging. Inspect for any signs of damage. If any components are missing or damaged, contact customer support.

5.2 Choosing a Location

Select a location that provides the desired lighting effect and ensures the power adapter is protected from water. The flood light is suitable for gardens, yards, patios, stages, and indoor spaces like game rooms or living rooms.

5.3 Installation Methods

The flood light offers two installation options:

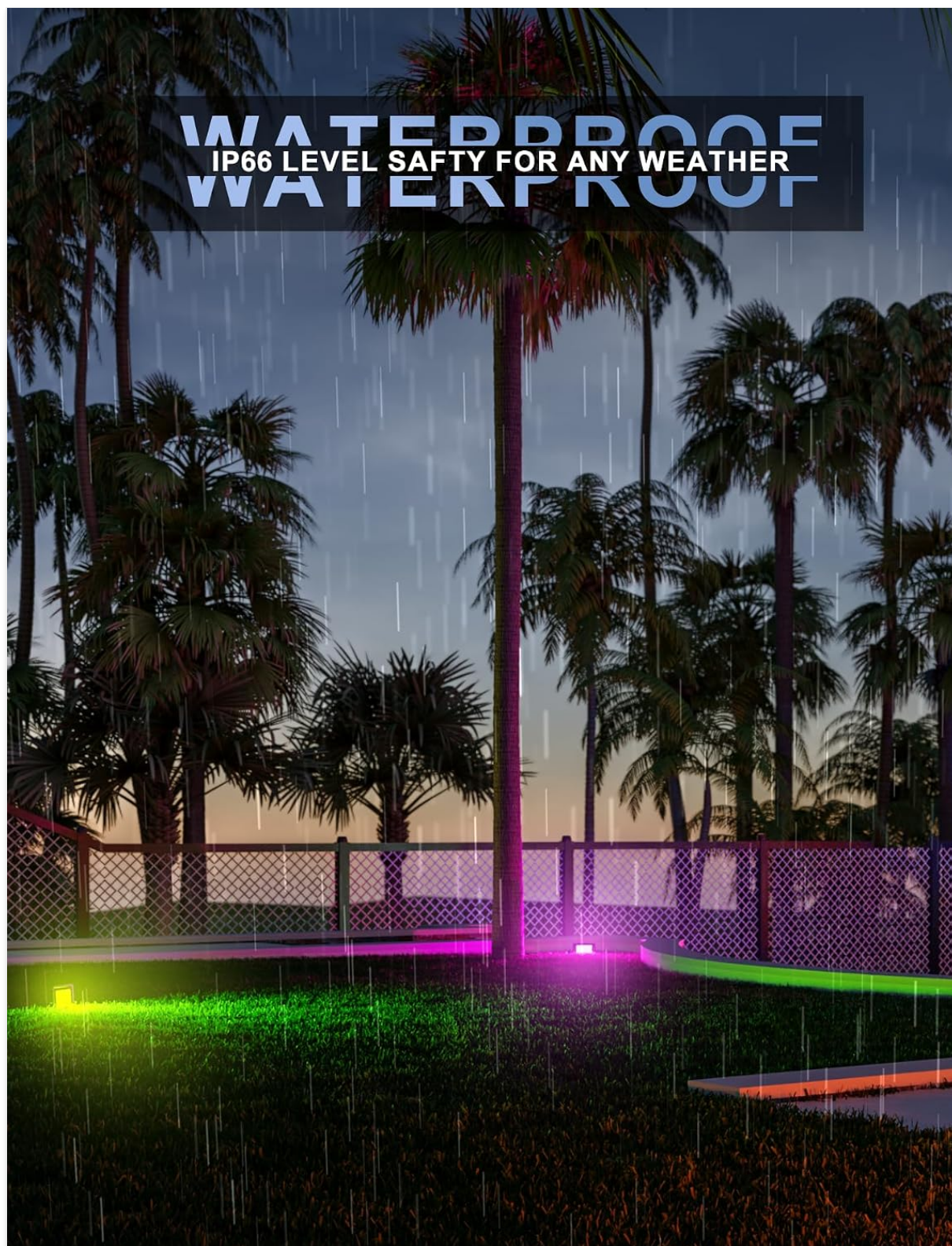
- **Floor Stand:** Position the flood light on a flat surface using its integrated adjustable bracket. Adjust the angle to direct the light as needed.
- **Wall Mounted:** Use appropriate screws (not included) to secure the bracket to a wall or other vertical surface. Ensure the mounting surface is sturdy enough to support the light. The bracket allows for 180-degree rotation to adjust the beam angle.



Displays the physical dimensions of the flood light and its 180-degree adjustable mounting bracket for flexible positioning.

5.4 Power Connection

Once installed, plug the power cord into a standard electrical outlet. The flood light is designed for simple plug-and-play operation.



Demonstrates the IP65 waterproof rating, suitable for outdoor use in various weather conditions.

6. OPERATING INSTRUCTIONS

The Meloght 50W RGBW Flood Light is controlled using the included infrared remote control. Ensure the remote is pointed towards the flood light's sensor for optimal response.

6.1 Remote Control Functions



An overview of the remote control, detailing buttons for brightness adjustment, solid colors, DIY colors, timer, and various light modes.

- **ON/OFF:** Power button to turn the light on or off.
- **Brightness Adjustment (Up/Down Arrows):** Increase or decrease the light intensity (1-100%).
- **Color Selection:** Choose from 20 preset solid colors.
- **DIY Colors (DIY1, DIY2, DIY3):** Customize and save your preferred color combinations by adjusting the RGB brightness.
- **Dynamic Modes:** Select from 7 dynamic modes (e.g., FLASH, STROBE, FADE, SMOOTH) for various lighting effects.
- **Speed Adjustment (QUICK/SLOW):** Adjust the speed of dynamic modes.

- **Timer Settings (3H/6H/12H):** Set the light to automatically turn off after 3, 6, or 12 hours.
- **Memory Function:** The light will remember the last setting used when turned back on.

6.2 Using the Timer Function

To activate the timer, press the desired time button (3H, 6H, or 12H) on the remote control. The light will automatically turn off after the selected duration. To deactivate, simply turn the light off manually or select a different mode.



Shows the automatic timer function with 3H, 6H, and 12H options for scheduled operation.

6.3 Video Demonstration

This video illustrates the various color-changing and mode functions of the Meloght RGB Flood Light using its remote control.

7. MAINTENANCE

- **Cleaning:** Ensure the light is off and unplugged before cleaning. Use a soft, damp cloth to wipe the surface. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the power cord and housing for any signs of damage. Ensure all connections are secure.
- **Storage:** If storing the flood light for an extended period, keep it in a cool, dry place away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on	No power supply; Remote control battery low; Remote not aimed at sensor.	Check power connection; Replace remote battery; Aim remote directly at the light's sensor.
Remote control not responding	Obstruction between remote and light; Remote battery low; Remote out of range.	Remove obstructions; Replace remote battery; Operate within 8m range.
Incorrect color or mode	Wrong button pressed; Interference.	Re-select desired color/mode; Ensure no other IR devices are interfering.
Light gets excessively hot	Poor ventilation; Product defect.	Ensure adequate airflow around the light; If problem persists, discontinue use and contact support.

STURDY

MAX TO 30,000 HOURS



Detailed view of the flood light's construction, highlighting the aluminum housing, LED beads, and optical lens for efficient heat dissipation and durability.

9. SPECIFICATIONS

Feature	Detail
Brand	Meloght
Model Number	MEFLI20

Feature	Detail
Wattage	50 Watts
Input Voltage	100-120V
Light Source	LED
Light Color	RGB (Red, Green, Blue) + Warm White (2700K)
Brightness	4000 Lumens
Beam Angle	120 Degrees
Water Resistance Level	IP65 (Flood Light), Adapter is NOT waterproof
Control Method	Remote Control
Remote Distance	Max 8 meters (barrier-free)
Working Temperature	-20°C to 50°C (-4°F to 122°F)
Material	Metal (Aluminum housing)
Item Dimensions (L x W x H)	5.7"L x 1.18"W x 3.85"H
Cord Length	3.28ft / 1m

10. WARRANTY AND SUPPORT

This Meloght product comes with a **3-year limited manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

For warranty claims, technical support, or any questions regarding your Meloght 50W RGBW Outdoor Flood Light, please contact Meloght customer service through the retailer where the product was purchased or visit the official Meloght store online.