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Rotolight RL48-B

Rotolight RL48-B Stealth HD LED Ringlight User Manual

Model: RL48-B

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1. INTRODUCTION

The Rotolight RL48-B Stealth HD LED Ringlight is a versatile and portable continuous light source designed for both HD cinematography, videography, and DSLR photography. It provides naturally warm, shadowless light with studio-accurate color temperatures. This manual provides essential information for the safe and effective use of your RL48-B.



Figure 1: Front view of the Rotolight RL48-B Stealth HD LED Ringlight.

2. SAFETY INFORMATION

Please read all safety instructions before using the Rotolight RL48-B. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not expose the unit to water or excessive moisture.
- Do not operate the unit with wet hands.
- Do not block ventilation openings.
- Use only specified batteries (3 AA batteries).
- Do not disassemble or modify the unit. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Avoid direct eye exposure to the LED light.

3. WHAT'S IN THE BOX

Verify that all items are present in the packaging:

- 1x Rotolight RL48-B HD LED Ring light
- Lee 205, 3200 CTO, & 218 CTB filters
- Lee 209 & 298 neutral density filters
- Lee 216 Diffusion filter
- 279 1/8 Minus Green filter



Figure 2: Rotolight RL48-B with a selection of included filters.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment on the rear of the RL48-B unit.
2. Open the battery compartment cover.
3. Insert 3 AA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.



Figure 3: Rear view of the RL48-B, indicating the battery compartment.

4.2 Filter Installation

1. Select the desired Lee filter from the provided kit.
2. Insert the filter into the designated filter holder slot on the front of the RL48-B.
3. Ensure the filter is seated properly and securely.

The RL48-B includes a filter-holder for easy attachment of the supplied Lee Filters. These filters allow for adjustment of color temperature (CTO, CTB) and light intensity (Neutral Density), as well as diffusion.

5. OPERATION

5.1 Powering On/Off

To power on the Rotolight RL48-B, locate the power button on the side of the unit and press it. Press again to power off.

5.2 Adjusting Light Output (Dimming)

The RL48-B's light output can be accurately dimmed using the supplied Neutral Density (ND) filters. These filters reduce the light intensity over a range of 1.5 aperture stops. Experiment with different ND filters to achieve the desired brightness.

5.3 Adjusting Color Temperature

The included Lee Filters allow for precise color temperature adjustments:

- **Lee 205, 3200 CTO:** Converts daylight (5600K) to Tungsten (3200K) for warmer tones.
- **Lee 218 CTB:** Converts Tungsten (3200K) to Daylight (5600K) for cooler tones.
- **Lee 216 Diffusion:** Softens the light output.
- **279 1/8 Minus Green:** Corrects for green casts from fluorescent lighting.

Select and insert the appropriate filter based on your desired color temperature and lighting conditions.

5.4 Mounting Options

The RL48-B offers flexible mounting solutions:

- **Shotgun Microphone Mount:** The unit mounts natively over a shotgun microphone.
- **Accessory Shoe:** Using the optional Rotolight stand (sold separately), it can be mounted via an accessory shoe on a camera.

- **Tripod/Lighting Stand:** The optional Rotolight stand also allows mounting onto a standard tripod or lighting stand.
- **Rail Support System:** Can be integrated into a rail support system with appropriate adapters.



Figure 4: RL48-B mounted on a camera, demonstrating its compatibility with a shotgun microphone.



Figure 5: The RL48-B in use by a photographer, providing illumination.

6. MAINTENANCE

6.1 Cleaning

- Wipe the exterior of the unit with a soft, dry cloth.
- For stubborn marks, use a slightly damp cloth with mild soap, then wipe dry.
- Do not use abrasive cleaners or solvents.
- Clean filters gently with a microfiber cloth to avoid scratches.

6.2 Storage

- Store the RL48-B in a cool, dry place away from direct sunlight.
- Remove batteries if the unit will not be used for an extended period to prevent leakage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	Dead or incorrectly inserted batteries.	Replace batteries with fresh AA batteries, ensuring correct polarity.
Light output is too dim.	Neutral Density (ND) filter is installed.	Remove or replace the ND filter with a lighter one. Ensure batteries are fresh.
Light color appears incorrect.	Incorrect color temperature (CTO/CTB) filter installed.	Replace the filter with the appropriate CTO or CTB filter for your desired color temperature.
Unit feels warm during operation.	Normal operation.	This is normal for LED lights. Ensure adequate ventilation and do not cover the unit.

8. SPECIFICATIONS

- **Model:** RL48-B
- **LEDs:** 48 color-accurate LEDs
- **Output:** Equivalent to 80W tungsten output
- **Color Temperature:** Adjustable via filters (6300K, 5600K, 4100K, 3200K)
- **Dimming:** Accurate dimming using Neutral Density filters (1.5 aperture stops range)
- **Power Source:** 3x AA batteries
- **Battery Life:** Approximately 4 hours (with specified batteries)
- **Product Dimensions:** 5.51 x 5.51 x 1.57 inches

- **Item Weight:** 6 ounces
- **Manufacturer:** Rotolight
- **GTIN:** 05060222850253



Figure 6: Side profile of the RL48-B, highlighting its compact design.

9. WARRANTY & SUPPORT

Rotolight products are manufactured to high standards and come with a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Rotolight website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Rotolight customer service through their official website or the contact information provided in your product packaging.

Rotolight Official Website: www.rotolight.com

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