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Westgate RDL6-MCT5-WP

Westgate RDL6-MCT5-WP LED Multi-CCT Recessed Light Instruction Manual

Model: RDL6-MCT5-WP

1. INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Westgate RDL6-MCT5-WP LED Multi-CCT Recessed Light. Please read this manual thoroughly before installation and retain it for future reference. This LED recessed light is designed for both residential and commercial applications, offering versatile lighting with adjustable color temperature and dimming capabilities.

2. IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of fire, electric shock, or injury to persons, please observe the following:

- Always turn off the power at the circuit breaker before installation, removal, or servicing.
- Ensure all electrical connections comply with local and national electrical code standards.
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Do not use with dimmers other than those specified as compatible (TRIAC dimmers).
- Suitable for wet locations.
- Do not attempt to modify the fixture. Any modifications may void the warranty and create safety hazards.
- Wear safety glasses and gloves during installation.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Westgate RDL6-MCT5-WP LED Multi-CCT Recessed Light (Retrofit Downlight)

4. PRODUCT SPECIFICATIONS

Category	Specification
Model Number	RDL6-MCT5-WP
Wattage	14W
Voltage	120VAC
Lumen Output	Up to 1400lm (max)
Color Temperature (CCT)	2700K, 3000K, 3500K, 4000K, 5000K (selectable)
Dimming	TRIAC Dimmable
Light Source	LED (Epistar Chip COB)
CRI	≥ 90
Material	Spun Aluminum with White Powder Coat Finish, Translucent Acrylic Lens
Dimensions	7.5" L x 7.5" W x 3.4" H
Compatibility	Fits standard 6-inch recessed housings
Location Rating	Wet Location Suitable
Warranty	5-Year Limited Warranty

Features

- 6" Smooth Recessed Trim
- Multi CCT (Selectable Switch on the Back of the driver)
- Isolated Driver for Improved Thermal Management
- 5-Year Warranty
- Spun Aluminum with White Powder Coat Finish

Technical Specifications

Electrical:

- Voltage: 120V AC
- Output Voltage: 36VDC
- Power Factor: >0.90
- Wattage: 14W
- Efficacy: 81 LPW
- Total Harmonic Distortion: ≤15 %

Mechanical:

- Spun Aluminum with White Powder Coat Finish
- Includes 8" Medium Base E-26 Screw-in Adapter That Fits any Standard Incandescent Down-light
- Maximum Ambient Temperature: 104°F
- Fits in Standard 6" Recessed Housings
- Rated life: 50,000 hrs
- Wet Location

Lighting:

- Dimming: TRIAC Dimming (Using Standard TRIAC LED Dimmers)
- LED: Epistar Chip (COB) and Driver—35,000-hour Design Life
- Can Rotate after Installation to Align
- Optics: White Translucent Acrylic Lens
- Total Lumens: 1400LM Max.
- Color Temperatures: 2700K/ 3000K/ 3500K/ 4000K/ 5000K
- Multi CCT (Selectable Switch on the Back of the Driver)
- Color Rendering Index: CRI ≥ 90

Applications:

- LED retrofit trim have been designed to be a flexible lighting solution for retrofit and new construction applications, Ideal for closets,storage areas, attics, corridors, or general lighting solutions for residential and commercial applications

Image 1: Overview of product features and technical specifications, including electrical, mechanical, and lighting details.

5. INSTALLATION GUIDE

5.1 Before Installation

- Turn off power at the circuit breaker or fuse box.
- Ensure the existing recessed housing is a standard 6-inch size.
- Unpack the fixture and inspect for any damage.

5.2 Step-by-Step Installation

1. **Prepare the Housing:** Remove the existing bulb and trim from the 6-inch recessed housing.
2. **Connect Adapter:** Screw the E-26 screw-in adapter (included) into the existing socket of the recessed housing.
3. **Select Color Temperature:** Locate the multi-CCT switch on the back of the LED fixture. Select your desired color temperature (2700K, 3000K, 3500K, 4000K, or 5000K) by sliding the switch. This must be done before installation.



Image 2: Rear view of the light fixture, highlighting the multi-CCT switch for color temperature selection.

4. **Connect Wiring:** Plug the connector from the LED fixture into the E-26 screw-in adapter.
5. **Insert Fixture:** Gently push the LED recessed light into the 6-inch housing. The spring clips on the sides of the fixture will secure it in place.



Image 3: Angled view of the recessed light, showing the smooth trim and spring clips for installation.



Image 4: Side profile of the recessed light, illustrating its compact design and integrated driver.

6. Secure Fixture: Ensure the fixture is flush with the ceiling.



Image 5: Front view of the recessed light, showcasing its smooth, white trim and translucent acrylic lens.

7. Restore Power: Turn the power back on at the circuit breaker.

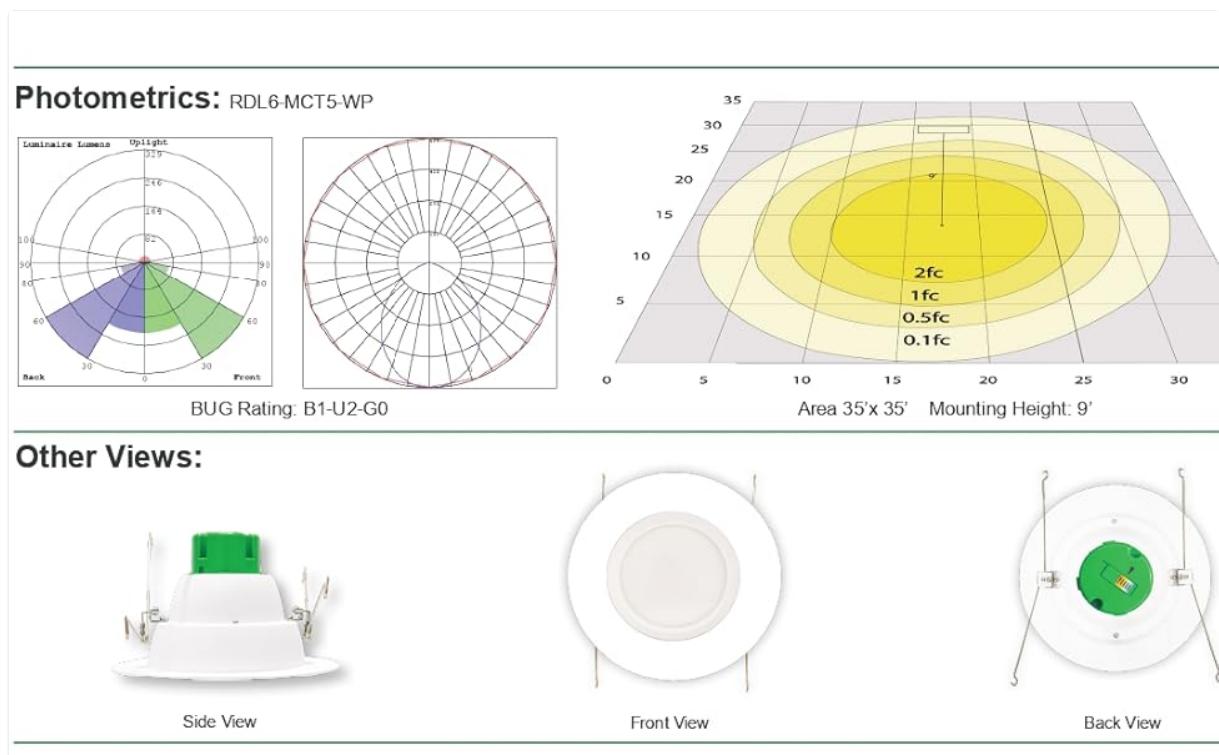


Image 6: Additional views of the light fixture (side, front, back) and photometric charts illustrating light distribution.

6. OPERATING YOUR LIGHT

6.1 Color Temperature Selection

The RDL6-MCT5-WP features a multi-CCT switch on the back of the fixture, allowing you to select from five different color temperatures: 2700K (Warm White), 3000K (Soft White), 3500K (Neutral White), 4000K (Cool White), and 5000K (Daylight). This selection must be made prior to installation by sliding the switch to your preferred setting.

6.2 Dimming Function

This LED recessed light is TRIAC dimmable. To utilize the dimming feature, ensure you are using a compatible TRIAC LED dimmer switch. Adjust the dimmer switch to achieve your desired light output level. The product also supports remote control as a control method, though specific remote details are not provided in this manual.

7. CARE AND MAINTENANCE

The Westgate RDL6-MCT5-WP LED Recessed Light requires minimal maintenance. To clean the fixture:

- Ensure power is turned off at the circuit breaker before cleaning.
- Use a soft, dry, or slightly damp cloth to wipe the surface of the fixture.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or electrical components.

8. TROUBLESHOOTING

If you encounter issues with your LED recessed light, refer to the following table:

Problem	Possible Cause	Solution
Light does not turn on	No power to the fixture Loose wiring connection Incorrect CCT switch setting	Check circuit breaker and wall switch Ensure all connections are secure (power off first) Verify CCT switch is set to a valid position
Light flickers or dims improperly	Incompatible dimmer switch Loose wiring connection	Ensure a compatible TRIAC LED dimmer is used Check wiring connections (power off first)
Incorrect color temperature	CCT switch set incorrectly	Turn off power, remove fixture, adjust CCT switch to desired setting, reinstall.

If the problem persists after attempting these solutions, please contact customer support.

9. WARRANTY AND CUSTOMER SUPPORT

9.1 Warranty Information

The Westgate RDL6-MCT5-WP LED Multi-CCT Recessed Light is covered by a **5-Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

It does not cover damage resulting from improper installation, accident, misuse, abuse, or unauthorized modifications.

9.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your Westgate product, please contact Westgate customer support. Refer to the product packaging or the official Westgate website for current contact information.