

Topaz RDL6-12W-CS

Topaz RDL6-12W-CS LED Slim Fit Recessed Downlight Instruction Manual

Model: RDL6-12W-CS

1. INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Topaz RDL6-12W-CS LED Slim Fit Recessed Downlight. Please read this manual thoroughly before installation and retain it for future reference. This product is designed for both residential and commercial indoor applications, including wet locations.

2. SAFETY INFORMATION

WARNING: Risk of fire or electric shock. Installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

- Disconnect power at the fuse or circuit breaker before installation or servicing.
- Ensure all electrical connections are made in accordance with local codes and ordinances, as well as the National Electric Code (NEC).
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- This fixture is intended for use with a 120V AC, 60Hz circuit.
- Suitable for wet locations.
- Airtight certified per ASTM-E283.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1x LED Slim Fit Recessed Downlight (Model: RDL6-12W-CS)
- 1x Remote J-box

4. SPECIFICATIONS

Feature	Specification
Model Name	LED Slim Fit Recessed Downlight
Part Number	RDL6-12W-CS
Brand	Topaz
Wattage	12 Watts
Brightness	1000 Lumens
Voltage	120 Volts
CCT Selectable	5 CCT (2700K to 5000K)
Dimmable	Yes, down to 5%
Material	Aluminum
Color	White
Product Dimensions	7.09"L x 7.09"W x 0.73"H
Item Weight	1.35 pounds
Indoor/Outdoor Usage	Indoor (Suitable for wet locations)
Certifications	Airtight certified per ASTM-E283

5. INSTALLATION INSTRUCTIONS

Before starting, ensure power is turned off at the circuit breaker.

- 1. Prepare the Opening:** Cut a 6-inch diameter hole in the ceiling at the desired location. Ensure there are no obstructions such as joists or wiring within the ceiling space.



Image: The Topaz RDL6-12W-CS LED Slim Fit Recessed Downlight, showing the circular light fixture and the separate remote junction box connected by a cable. The junction box has wiring instructions and certifications visible.

2. **Connect the Remote J-box:** Open the remote junction box cover. Connect the supply wires (black to black, white to white, ground to ground) from your electrical circuit to the wires inside the J-box using appropriate wire connectors. Secure the J-box cover.
3. **Select Color Temperature (CCT):** Before inserting the fixture into the ceiling, locate the CCT selectable switch on the remote J-box. Choose your desired color temperature (2700K, 3000K, 3500K, 4000K, or 5000K) by sliding the switch. This setting can be changed later if needed.
4. **Position the J-box:** Place the remote J-box into the ceiling opening, ensuring it rests securely above the ceiling tile or drywall.
5. **Install the Downlight:** Connect the cable from the downlight to the remote J-box. Push the spring clips on the sides of the downlight upwards and insert the fixture into the ceiling hole. Release the clips to secure the downlight flush against the ceiling.



Image: A side profile view of the Topaz RDL6-12W-CS LED Slim Fit Recessed Downlight, highlighting the two spring-loaded clips on either side used for securing the fixture into the ceiling opening.

6. **Restore Power:** Turn the power back on at the circuit breaker. Test the light fixture.

6. OPERATION

6.1 Power On/Off

The downlight operates like any standard light fixture. Use your wall switch to turn the light on or off.

6.2 CCT (Color Correlated Temperature) Selection

The RDL6-12W-CS features 5 CCT selectable options. As mentioned in the installation section, the desired color temperature is selected via a switch on the remote J-box. To change the CCT after installation, you will need to access the J-box (typically by carefully pulling the downlight out of the ceiling to reach the J-box if it's placed nearby, or accessing it from above if possible) and adjust the switch to one of the following settings:

- 2700K (Warm White)
- 3000K (Soft White)
- 3500K (Neutral White)
- 4000K (Cool White)
- 5000K (Daylight)

6.3 Dimming Functionality

This downlight is dimmable down to 5% when used with compatible LED dimmers. For optimal performance, ensure your dimmer switch is designed for LED lighting. Refer to your dimmer's instructions for proper installation and operation.

7. MAINTENANCE

The Topaz RDL6-12W-CS LED Slim Fit Recessed Downlight requires minimal maintenance.

- **Cleaning:** Ensure power is off before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use harsh chemicals or abrasive cleaners, as these may damage the finish or electrical components.
- **No User-Serviceable Parts:** There are no user-serviceable parts inside this fixture. Do not attempt to open or repair the unit.

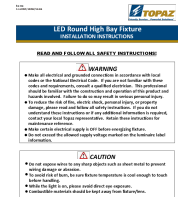
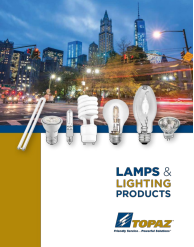



8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power to the fixture. Loose wiring connection. Faulty switch or circuit breaker.	Check if the circuit breaker is tripped. Ensure wall switch is on. Verify all wiring connections are secure. Consult a qualified electrician if the issue persists.
Light flickers or dims inconsistently.	Incompatible dimmer switch. Loose wiring connection.	Ensure you are using an LED-compatible dimmer. Check wiring connections. If flickering persists, try a different dimmer or consult an electrician.
Incorrect CCT (Color Temperature).	CCT switch on J-box set incorrectly.	Access the remote J-box and adjust the CCT selectable switch to the desired setting.

9. WARRANTY AND SUPPORT

This Topaz RDL6-12W-CS LED Slim Fit Recessed Downlight comes with a 5-year warranty from the date of purchase, covering defects in materials and workmanship under normal use. For warranty claims or technical support, please contact Topaz customer service directly. Keep your proof of purchase for warranty validation. For further assistance, please visit the official Topaz website or contact their customer support.

Related Documents - RDL6-12W-CS

	<p>Topaz LED Round High Bay Fixture Installation Guide - Model F-LUHBE/150W/5K-86</p> <p>Comprehensive installation instructions for the Topaz LED Round High Bay Fixture (Model F-LUHBE/150W/5K-86), including safety warnings, electrical parameters, and step-by-step mounting and wiring guidance.</p>
	<p>Topaz Lamps & Lighting Products Catalog Energy-Efficient Lighting Solutions</p> <p>Explore the comprehensive Topaz catalog featuring a wide range of energy-efficient lamps and lighting products, including LED, fluorescent, halogen, incandescent, HID, ballasts, and emergency lighting solutions for commercial and residential applications.</p>
	<p>Topaz Eclipse Series LED High Bay Fixture - Specifications & Data</p> <p>Detailed specifications, features, applications, energy savings, and photometric test data for the Topaz Eclipse Series LED High Bay Fixture, available in 90W, 135W, and 200W models. Includes technical data, dimensions, and performance metrics.</p>
	<p>Topaz LED Slim Fit Recessed Downlights - CCT Selectable Round</p> <p>Explore Topaz's LED Slim Fit Recessed Downlights, featuring CCT Selectable technology for five color temperature options in a single, slim-profile fixture. Ideal for new construction and retrofits in residential and commercial spaces.</p>
	<p>Topaz LED Recessed Downlights - Performance CCT Selectable Smooth Trim</p> <p>Topaz's Performance Recessed Downlights offer a versatile, easy-to-install solution with five CCT selectable options. Ideal for retrofit and new construction in commercial, residential, and multi-family settings. Features include IC and AT ratings, high efficacy, and dimmability.</p>

[illegible]

Topaz CDL6S-16WPCS-U LED Recessed Luminaires Specifications

ENERGY STAR certification details for Topaz LED recessed luminaires, model CDL6S-16WPCS-U, including specifications for light output, power, color quality, and energy efficiency.