TOPAZ RTL4-SQ-7W-CS-WH

Topaz RTL4-SQ-7W-CS-WH 4-inch Performance LED Recessed Retrofit Downlight Instruction Manual

Model: RTL4-SQ-7W-CS-WH

1. IMPORTANT SAFETY INFORMATION

Please read and understand all instructions before beginning installation. Failure to follow these instructions may result in electric shock, fire, or other hazards that could cause property damage or personal injury.

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing.
- **WARNING:** Risk of fire. Minimum 90°C supply conductors. Consult a qualified electrician to ensure correct branch circuit conductor.
- 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.
- Suitable for wet locations.
- 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.

2. PRODUCT OVERVIEW

The Topaz RTL4-SQ-7W-CS-WH is a 4-inch square LED recessed retrofit downlight designed for both new construction and existing recessed housings. It features a CCT (Correlated Color Temperature) selectable switch, allowing users to choose from five color temperature options. This 7-watt LED fixture provides 90 CRI quality lighting and is dimmable.

Key Features:

- Retrofit trim for 4-inch recessed housings.
- CCT field selectable switch to adjust between 5 color temperatures (2700K, 3000K, 3500K, 4000K, 5000K).
- Square baffle trim with a durable white finish.
- Dimmable LED functionality.
- High Color Rendering Index (CRI) of 90.
- Suitable for wet locations.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Topaz RTL4-SQ-7W-CS-WH LED Recessed Downlight
- 1 x E26 Adapter
- Quick Connects

Image 1: The Topaz 4-inch square LED downlight shown with its included E26 adapter, ready for installation.

4. SETUP AND INSTALLATION

4.1 Pre-Installation

Before starting, ensure you have the following tools and materials:

- Screwdriver
- Wire strippers (if needed)
- Safety glasses
- Gloves
- Existing 4-inch recessed housing

4.2 Installation Steps

1. **Turn Off Power:** Locate the circuit breaker or fuse box and turn off the power supply to the recessed lighting fixture you are replacing or installing. Verify power is off using a voltage tester.
2. **Remove Existing Trim (if applicable):** Carefully remove the existing bulb and trim from the recessed

housing.

3. **Connect E26 Adapter:** Screw the E26 adapter into the existing E26 socket within the recessed housing.

4. **Connect Quick Connects:** Plug the quick connect cable from the LED downlight into the quick connect cable from the E26 adapter. Ensure a secure connection.

5. **Select CCT (Color Temperature):** Before inserting the downlight into the housing, locate the CCT selectable switch on the back of the fixture. Choose your desired color temperature (2700K, 3000K, 3500K, 4000K, or 5000K) by sliding the switch.
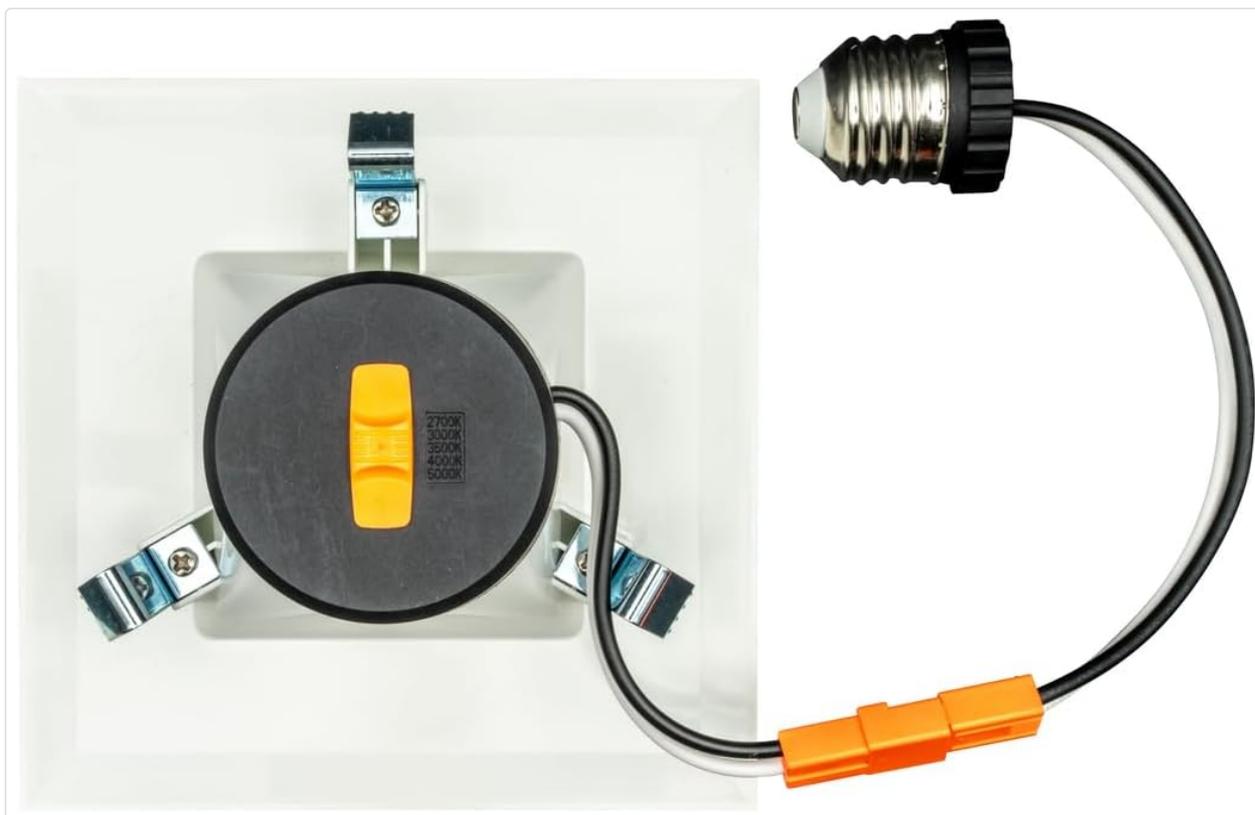

Image 2: The back of the Topaz LED downlight showing the CCT selection switch and the connected E26 adapter. The friction clips are also visible.

6. **Insert Downlight:** Gently push the LED downlight into the 4-inch recessed housing. The friction clips on the sides of the downlight will secure it in place. Ensure the trim is flush with the ceiling.

7. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.

8. **Test:** Turn on the light switch to verify proper operation.

5. OPERATING INSTRUCTIONS

5.1 CCT Color Selection

The Topaz RTL4-SQ-7W-CS-WH features a CCT selectable switch located on the back of the fixture. This switch allows you to choose from five different color temperatures to suit your preference or application:

- **2700K:** Warm White (similar to incandescent)
- **3000K:** Soft White
- **3500K:** Neutral White
- **4000K:** Cool White
- **5000K:** Daylight

To change the CCT, you must first remove the fixture from the recessed housing and then slide the switch to the desired setting. Reinstall the fixture after selection.
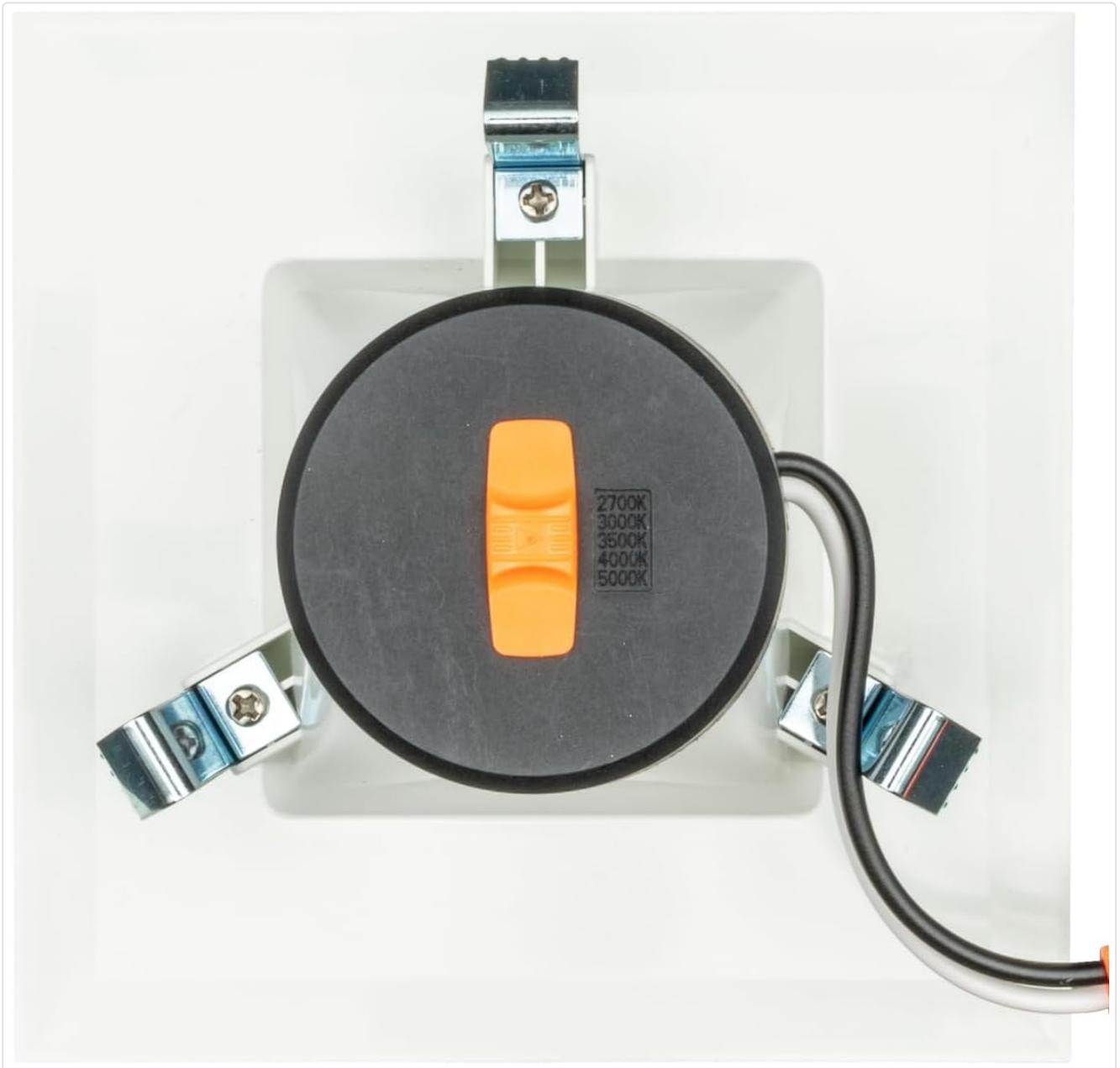

Image 3: A close-up view of the CCT selection switch on the back of the downlight, showing the five selectable color temperature options.

5.2 Dimming Functionality

This LED downlight is dimmable. For optimal performance, use with compatible LED-rated dimmers. Refer to your dimmer's instructions for proper installation and operation. Ensure the dimmer is suitable for LED loads.

6. MAINTENANCE

The Topaz RTL4-SQ-7W-CS-WH LED 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, abrasive cleaners, or solvents, 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 disassemble the unit.

7. Troubleshooting

If the fixture does not operate correctly, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Light does not turn on	No power supply	Check circuit breaker or fuse. Ensure wall switch is ON.
	Loose wiring connection	Turn off power. Check E26 adapter and quick connect cables for secure connections.
Light flickers or dims improperly	Incompatible dimmer switch	Ensure an LED-compatible dimmer is used. Consult dimmer manufacturer's specifications.
	Loose wiring	Turn off power. Check all electrical connections.
Incorrect color temperature	CCT switch set incorrectly	Turn off power. Remove fixture and adjust the CCT switch on the back to the desired setting.

If the problem persists after attempting these solutions, contact a qualified electrician or the manufacturer's support.

8. Specifications

Specification	Detail
Brand	TOPAZ
Model Name	RTL4-SQ-7W-CS-WH
Light Fixture Form	Recessed
Wattage	7 watts
Voltage	120 Volts (AC)
Light Source Type	LED
CCT Selectable	2700K, 3000K, 3500K, 4000K, 5000K
CRI	90
Dimming	Yes
Material	Plastic
Finish Type	White
Product Dimensions	5.32"L x 5.32"W x 2.41"H
Installation Type	Flush Mount (Retrofit)
Indoor/Outdoor Usage	Indoor (Suitable for wet locations)
Included Components	E26 Adapter, Quick Connects
Item Weight	7.4 ounces

Specification	Detail
UPC	032886166938

9. WARRANTY AND SUPPORT

This product is manufactured by Topaz and is subject to their standard warranty terms and conditions. Please refer to the official Topaz website or contact their customer service for detailed warranty information.

For technical assistance, troubleshooting, or warranty claims, please contact Topaz customer support directly. Contact information can typically be found on the manufacturer's website or product packaging.