

Maxxima MRL-S41503BW

Maxxima 4-inch Ultra-Thin Recessed Anti-Glare LED Downlight

Model: MRL-S41503BW

Brand: Maxxima

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Maxxima 4-inch Ultra-Thin Recessed Anti-Glare LED Downlight. This energy-efficient lighting solution is designed for various indoor applications, offering superior illumination and customizable light settings. The canless, IC-rated fixture delivers 1200 lumens with a 36° beam spread and features 5 selectable color temperatures (2700K, 3000K, 3500K, 4000K, 5000K). It is dimmable from 20% to 100% and boasts a high Color Rendering Index (CRI) of 90 for accurate color representation.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power at the circuit breaker before installation or servicing.

- Always turn off the main power supply at the circuit breaker or fuse box before beginning any electrical work.
- Consult a qualified electrician if you are unsure about the installation process or have any electrical concerns.
- This fixture is designed for indoor use only.
- The fixture is damp rated, making it suitable for installation in bathrooms and kitchens, but not for direct water exposure.
- Ensure all wiring connections are secure and comply with national and local electrical codes.
- Do not modify the fixture or its components. Any modifications may void the warranty and create safety hazards.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1x Maxxima 4-inch Ultra-Thin Recessed LED Downlight
- 1x Remote Junction Box with CCT Selectable Switch
- 1x Foam Gasket



Image: The Maxxima 4-inch Ultra-Thin Recessed LED Downlight shown with its remote junction box, illustrating the complete product package.

4. SETUP AND INSTALLATION

This downlight is designed for easy, canless installation directly into drywall. A 4-inch hole cutout is recommended.

1. **Prepare for Installation:** Turn off power at the circuit breaker controlling the light switch location. Use a voltage tester to confirm power is off.
2. **Cut Hole:** Using a 4-inch hole saw, cut a circular opening in the ceiling at the desired installation location. Ensure there are no obstructions (e.g., pipes, wires, joists) within the ceiling space.
3. **Wiring the Junction Box:**
 - Open the remote junction box cover.
 - Remove the appropriate knockout(s) for your electrical supply cable.
 - Connect the supply wires: Black to Black (Live), White to White (Neutral), and Green or bare

copper to Green (Ground). Secure connections with wire nuts.

- Close the junction box cover.



Image: The remote junction box with its cover open, showing the internal wiring terminals for connecting to the main power supply.

4. **Secure Junction Box:** Place the remote junction box into the ceiling opening. It is designed to fit through the 4-inch hole and can be secured to a ceiling joist or simply rest above the drywall.
5. **Connect Downlight to Junction Box:** Connect the male connector from the downlight to the female connector on the junction box. Ensure the connection is firm.
6. **Select Color Temperature (CCT):** Locate the CCT selectable switch on the side of the junction box. Slide the switch to your desired color temperature (2700K, 3000K, 3500K, 4000K, or 5000K).



Image: A close-up view of the CCT selectable switch located on the side of the remote junction box, showing the different color temperature options.

7. **Install Downlight:** Push the two spring-loaded clips on the sides of the downlight upwards. Insert the downlight into the 4-inch ceiling hole. Release the clips; they will spring back and hold the fixture securely against the ceiling.
8. **Restore Power:** Turn the power back on at the circuit breaker.



Image: The rear view of the Maxxima downlight, highlighting the spring-loaded clips used for secure installation into the ceiling opening.

5. OPERATING INSTRUCTIONS

Your Maxxima LED Downlight offers adjustable brightness and color temperature settings.

- **Turning On/Off:** Control the light using a standard wall switch connected to the fixture.
- **Dimming:** This fixture is compatible with most standard LED dimmer switches (sold separately). Connect the downlight to a compatible dimmer to adjust brightness from 20% to 100%. Ensure your dimmer is rated for LED lighting.
- **Changing Color Temperature (CCT):** The color temperature is selected via a switch on the remote

junction box. To change the CCT:

- a. Turn off power to the fixture at the circuit breaker.
- b. Carefully pull the downlight out of the ceiling opening to access the remote junction box.
- c. Slide the CCT switch on the junction box to your desired setting (2700K Soft White, 3000K Warm White, 3500K Bright White, 4000K Neutral White, or 5000K Daylight).
- d. Re-install the downlight into the ceiling.
- e. Restore power at the circuit breaker.



Image: An illustration demonstrating the five selectable color temperature options (2700K, 3000K, 3500K, 4000K, 5000K) and their corresponding light appearances.

6. MAINTENANCE

The Maxxima LED Downlight requires minimal maintenance.

- **Cleaning:** To clean the fixture, ensure power is off. Use a soft, dry, or slightly damp cloth. Do not use abrasive cleaners, solvents, or cleaning agents containing alcohol, as these can damage the finish or electrical components.
- **Bulb Replacement:** The LED light source is integrated and not user-replaceable. The fixture is designed for long-term operation.
- **Inspection:** Periodically inspect the fixture for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.

7. TROUBLESHOOTING

If you encounter issues with your downlight, refer to the following common problems and solutions:

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

8. SPECIFICATIONS

Feature	Specification
Brand	Maxxima
Model Number	MRL-S41503BW
Power Consumption	15 Watts (equivalent to 90W incandescent)
Brightness	1200 Lumens
Voltage	120 VAC
Color Temperature (CCT)	Selectable: 2700K, 3000K, 3500K, 4000K, 5000K
Dimmable Range	20% - 100%
Color Rendering Index (CRI)	90
Beam Spread	36°
Fixture Dimensions	4.81" Diameter x 2.6" Deep
Junction Box Dimensions	1.25" H x 3.4" W x 3.4" D
Recommended Hole Cutout	4 inches
Material	Aluminum
Ratings	IC Rated, Damp Rated, ETL Listed
Usage Environment	Indoor Only


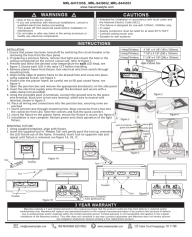
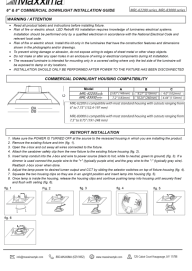

9. WARRANTY AND SUPPORT

Warranty: This Maxxima LED Downlight is covered by a **3-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Customer Support: For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please visit the official Maxxima website or contact their customer service department. Refer to the product packaging or Maxxima's website for the most current contact information.

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Related Documents - MRL-S41503BW

	<p>Maxxima MRL-S20803/S20803B 2\" Round Anti-Glare LED Downlight Installation Guide</p> <p>This guide provides essential safety warnings, cautions, and step-by-step installation instructions for Maxxima's 2\" Round Anti-Glare LED Downlights, models MRL-S20803 and MRL-S20803B. Learn how to safely install your new LED downlight.</p>
	<p>Maxxima MRL-S20803S/SB 2\" Square Anti-Glare LED Downlight Installation Guide</p> <p>Installation guide for Maxxima MRL-S20803S and MRL-S20803SB 2-inch square anti-glare LED downlights. Features include Canless IC rating, 450 lumens, and 3 CCT options (2700K-4000K). Includes safety warnings, parts list, and step-by-step installation procedures.</p>
	<p>Maxxima MRL-S41503S 4\" Square Anti-Glare LED Downlight Installation Instructions</p> <p>Detailed installation guide for the Maxxima MRL-S41503S 4-inch square anti-glare LED downlight, including safety warnings, cautions, parts list, and warranty information.</p>
	<p>Maxxima Slim Square Trimless Downlight Installation Guide</p> <p>Installation guide for Maxxima Slim Square Trimless Downlights (MRL-S415105S, MRL-S430052, MRL-S445053). Includes warnings, cautions, step-by-step installation and removal instructions, and warranty information.</p>
	<p>Maxxima MRL-62200 & MRL-83000 Commercial Downlight Installation Guide</p> <p>Comprehensive installation guide for Maxxima MRL-62200 and MRL-83000 series commercial LED downlights, covering retrofit and new construction installations, housing compatibility, and warranty information.</p>
	<p>Maxxima 4\" LED Retrofit Kit Installation Guide - MRL-41300W</p> <p>Comprehensive installation instructions for the Maxxima 4-inch LED Retrofit Kit (Model MRL-41300W). Learn how to safely and correctly install your new recessed lighting.</p>

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