

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Maxxima](#) /

› [Maxxima 2-inch Ultra-Thin Recessed Anti-Glare LED Downlight \(Model MRL-S20803B\) User Manual](#)

Maxxima MRL-S20803B

Maxxima 2-inch Ultra-Thin Recessed Anti-Glare LED Downlight

Model: MRL-S20803B

1. SAFETY INFORMATION

Please read and understand all instructions completely 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.

- **Risk of Fire:** Supply conductors (power wiring) connecting to the fixture must be rated 90°C. If you are uncertain, consult a qualified electrician.
- **Risk of Electric Shock:** LED Retrofit Kit installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Install this kit only in luminaires that have the construction features and dimensions shown in the product documentation.
- To prevent wiring harness or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- This lamp is not intended for use with emergency exit luminaires or emergency lights.
- Before attempting installation, check your local electrical code, as it sets wiring standards for your locality.
- The fixture is designed to be switched from a wall switch. Ensure the black power supply wire is connected to the switch. Do NOT connect the white supply wire to the switch.
- Do not leave bare wires or exposed outside the wire nut connectors.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- This product is ETL Listed and operates at 120VAC.

2. PRODUCT OVERVIEW

The Maxxima 2-inch Ultra-Thin Recessed Anti-Glare LED Downlight is a canless, IC rated lighting fixture designed for various indoor applications. It features a round black trim and offers customizable lighting with 5 selectable color temperatures and dimming capabilities.

- **Energy Efficient:** 9W LED, equivalent to 40W, consuming less power.
- **Brightness:** 550 Lumens with anti-glare lighting and a 36° beam spread.
- **Color Temperature Selectable (CCT):** Choose from 2700K (Soft White), 3000K (Warm White), 3500K (Bright White), 4000K (Neutral White), or 5000K (Daylight).

- **Dimmable:** Compatible with most standard LED dimmers, offering a 20%-100% dimmable range.
- **High CRI:** 90 CRI rating for accurate color appearance.
- **Durable Construction:** Features a durable cast aluminum body and deep recessed trim.
- **Damp Rated:** Suitable for use in damp locations such as bathrooms and kitchens.



Figure 2.1: Maxxima 2-inch Ultra-Thin Recessed LED Downlight, Black

3. PARTS LIST

Ensure all components are present before beginning installation:

- LED Downlight with spring clips

- Junction Box (with integrated CCT selection switch)
- Connector cable (pre-attached to downlight and junction box)
- Foam Gasket



Figure 3.1: Side view of the Maxxima 2-inch Ultra-Thin Recessed LED Downlight, showing the heat sink and connector.

4. SETUP AND INSTALLATION

This downlight is designed for easy installation without the need for a traditional recessed can or housing.

1. **Prepare the Opening:** Cut a hole in the ceiling drywall with a recommended diameter of 2.5 inches. Ensure there are no obstructions in the ceiling space.
2. **Connect Wiring:** Open the junction box. Connect the building's supply wires (typically black for live, white for neutral, and green/bare copper for ground) to the corresponding wires inside the junction box using appropriate wire connectors. Ensure all connections are secure and comply with local electrical codes.
3. **Select Color Temperature:** Before closing the junction box, use the CCT selection switch located inside the junction box to choose your desired color temperature (2700K, 3000K, 3500K, 4000K, or 5000K).
4. **Position Junction Box:** Place the junction box into the ceiling beam or through the cutout hole into the ceiling cavity.
5. **Connect Downlight:** Connect the downlight's cable to the junction box's cable using the provided quick connector. Ensure a firm connection.
6. **Install Downlight:** Gently push the spring clips on the sides of the downlight upwards. Insert the

downlight into the cutout hole. The spring clips will automatically secure the fixture against the ceiling. Ensure the foam gasket creates a tight seal.

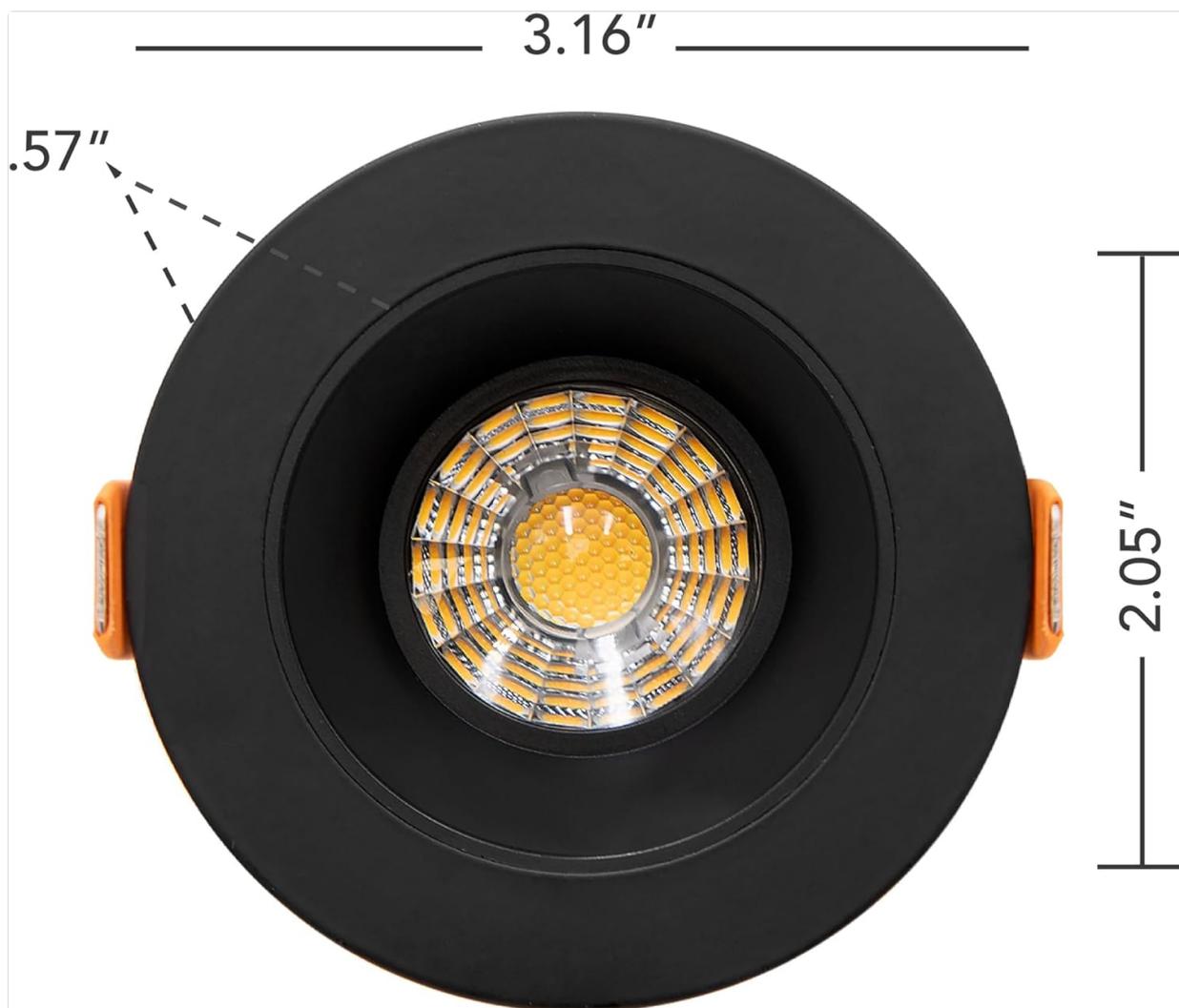


Figure 4.1: Product dimensions for installation planning.



Figure 4.2: CCT selection switch inside the junction box.

Your browser does not support the video tag.

Video 4.1: Official product video demonstrating the features and installation of the Maxxima 2-inch Anti-Glare 5 CCT Slim LED Downlight.

5. OPERATING INSTRUCTIONS

Once installed, operating your Maxxima LED downlight is straightforward.

5.1. Color Temperature Selection

The desired color temperature (CCT) must be selected using the switch inside the junction box **before** installation or by accessing the junction box after installation. The available options are 2700K, 3000K, 3500K, 4000K, and 5000K.



Figure 5.1: Visual comparison of selectable color temperatures.

5.2. Dimming

This downlight is dimmable from 20% to 100% with most standard LED dimmers. Ensure your dimmer switch is compatible with LED fixtures for optimal performance and to prevent flickering.



Figure 5.2: Downlight installed in a ceiling, demonstrating illumination.

6. MAINTENANCE

The Maxxima LED downlight requires minimal maintenance.

- **Cleaning:** To clean the fixture, ensure power is off. Wipe the surface with a soft, dry, or slightly damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **No User-Serviceable Parts:** The LED light source is integrated and not replaceable. Do not attempt to open or repair the fixture.

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; Incorrect CCT setting; Faulty fixture	Check circuit breaker; Verify all wire connections are secure; Ensure CCT switch is set to a valid position; Contact support if fixture is faulty.

Problem	Possible Cause	Solution
Light flickers	Incompatible dimmer; Loose wiring; Overloaded circuit	Ensure dimmer is LED compatible; Check all electrical connections; Reduce load on circuit.
Light is too dim or too bright	Dimmer setting; CCT setting	Adjust dimmer to desired level; Verify CCT setting is as intended.
Light makes buzzing noise	Incompatible dimmer; Loose wiring	Replace with an LED-compatible dimmer; Check and secure all wiring connections.

8. SPECIFICATIONS

Specification	Detail
Brand	Maxxima
Model Name	MRL-S20803B
Product Dimensions	3.16"L x 3.16"W x 2.6"H
Item Weight	13.1 ounces
Color	Black
Material	Aluminum
Light Fixture Form	Recessed
Installation Type	Flush Mount
Recommended Hole Cutout	2.5 inches
Power Source	Corded Electric
Voltage	120 Volts
Wattage	9 watts
Brightness	550 Lumens
Efficiency	61 lm/W
Color Temperature	2700K, 3000K, 3500K, 4000K, 5000K Selectable
CRI	90
Dimmable	Yes (20%-100%)
Indoor/Outdoor Usage	Indoor (Damp Rated)
Certification	ETL Listed

9. WARRANTY AND SUPPORT

This Maxxima LED downlight is covered by a **3-year warranty** from the date of purchase.

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

Please retain your proof of purchase for warranty purposes.