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> Nora NMC-6RTWMPW M-Curve 6-inch Can-Less Adjustable LED Downlight Instruction Manual

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Model: NMC-6RTWMPW

PRODUCT OVERVIEW

The Nora NMC-6RTWMPW M-Curve adjustable LED downlight is a versatile lighting solution designed for both new construction and remodel applications. This can-less luminaire eliminates the need for a separate housing, simplifying installation while meeting IC Air-Tight requirements. Its unique design allows for significant adjustability, including 80° tilt and 360° rotation, to direct light precisely where needed. The fixture also features selectable color temperature (CCT) options, providing flexibility to match various lighting preferences and environments.



Figure 1: Nora NMC-6RTWMPW M-Curve 6-inch Can-Less Adjustable LED Downlight. This image shows the complete downlight unit, including the main light fixture and the attached junction box, ready for installation.

Key Features:

- **Selectable CCT:** Choose from five color temperatures (2700K / 3000K / 3500K / 4000K / 5000K) to suit your preference.
- **Can-Less Design:** No housing required, making installation easier for remodel or new construction. IC Air-Tight rated.
- **Adjustable Light Direction:** Features 80° tilt and 360° rotation for precise illumination.
- **High Performance:** Delivers 1300 lumens while consuming only 13 watts.
- **Dimmable:** Compatible with Triac or ELV dimming systems.
- **Wet Location Rated:** cETLus Listed for use in wet locations.

SAFETY INFORMATION

- Always turn off power at the circuit breaker before installation or maintenance.
- Consult a qualified electrician if you are unsure about wiring or installation procedures.
- Ensure all electrical connections comply with local codes and ordinances.
- Do not install the fixture with wet hands or while standing on a wet surface.

- This product is designed for 120V AC power supply.
- Do not attempt to modify the fixture. Any modifications will void the warranty.

SETUP AND INSTALLATION

The Nora NMC-6RTWMPW downlight is designed for easy, can-less installation. Follow these steps carefully:

1. Prepare the Installation Area:

- Turn off power at the circuit breaker before beginning.
- Determine the desired location for the downlight. Ensure there is sufficient clearance above the ceiling for the junction box and fixture.
- Using the provided template (if applicable) or referring to the specifications, cut a 5-inch diameter hole in the ceiling.

2. Make Electrical Connections:

- Open the cover of the integrated junction box.
- Connect the building's electrical wires to the corresponding wires in the junction box:
 - Black wire to Live (L)
 - White wire to Neutral (N)
 - Green or bare copper wire to Ground (G)

Secure connections with wire nuts (not included, or as provided).

- Close the junction box cover securely.

3. Install the Fixture:

- Carefully push the junction box through the cut-out hole into the ceiling cavity.
- Push the downlight fixture into the cut-out hole. The spring clips on the sides of the fixture will automatically engage and secure the fixture to the ceiling.
- Ensure the fixture is flush with the ceiling surface.

4. Restore Power:

- Once installation is complete, turn the power back on at the circuit breaker.
- Test the downlight to ensure proper operation.

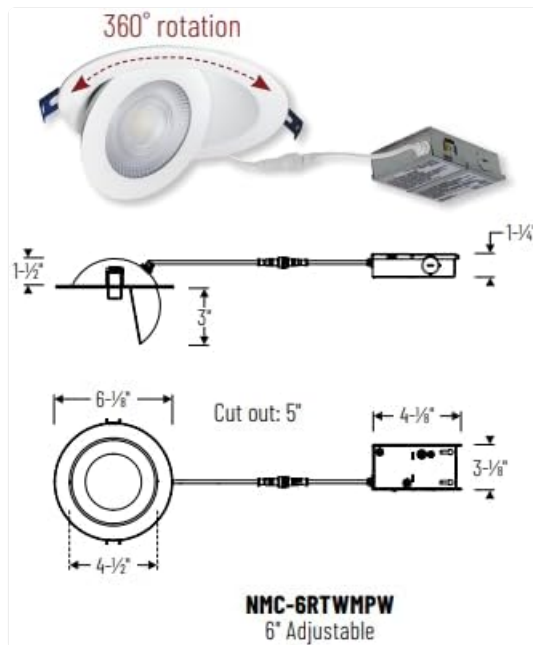


Figure 2: Installation diagram and dimensions for the Nora NMC-6RTWMPW 6-inch adjustable downlight. This diagram illustrates the 360° rotation capability, the required 5-inch cut-out, and the overall dimensions of the fixture and junction box for proper planning and installation.

OPERATING INSTRUCTIONS

Color Temperature (CCT) Selection:

The Nora NMC-6RTWMPW downlight features a selectable CCT switch located on the junction box. This switch allows you to choose from five different color temperatures:

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

To change the CCT:

1. Turn off power to the fixture at the circuit breaker.
2. Carefully pull the fixture down from the ceiling to access the junction box (if necessary, or if the switch is accessible without removing the fixture).
3. Locate the CCT selection switch on the junction box.
4. Slide the switch to your desired color temperature setting.
5. Reinstall the fixture (if removed) and restore power to test the new CCT setting.

Adjusting Light Direction:

The M-Curve downlight offers exceptional adjustability to direct light as needed:

- **Tilt:** The inner light module can be tilted up to 80° from its flush position. Gently push or pull the inner module to achieve the desired angle.
- **Rotation:** The entire inner light module can be rotated 360°. Gently twist the inner module to orient the light beam.

Note: Always adjust the fixture gently to avoid damage. Do not force movement beyond its intended range.

Dimming:

This fixture is compatible with Triac or ELV dimmers. Ensure your dimmer switch is compatible with LED lighting and is properly installed according to its manufacturer's instructions. Dimming performance may vary depending on the dimmer used.

MAINTENANCE

The Nora NMC-6RTWMPW LED downlight requires minimal maintenance. Follow these guidelines to ensure longevity and optimal performance:

- **Cleaning:** Ensure power is off before cleaning. Use a soft, dry, or slightly damp cloth to wipe the exterior of the fixture. Do not use abrasive cleaners, solvents, or cleaners containing ammonia, as these can damage the finish or electrical components.
- **LEDs:** The integrated LED light source is designed for long life and is not user-replaceable. Do not attempt to open the sealed light module.
- **Inspection:** Periodically inspect the fixture for any signs of damage or loose connections. If any issues are found, turn off power and consult a qualified electrician.

TROUBLESHOOTING

If you experience issues with your Nora NMC-6RTWMPW downlight, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	<ul style="list-style-type: none">◦ No power to the fixture.◦ Loose wiring connection.◦ Faulty switch or dimmer.	<ul style="list-style-type: none">◦ Check circuit breaker and wall switch.◦ Turn off power, check all wire connections in the junction box.◦ Test with a known working switch or bypass the switch temporarily (consult electrician).
Light flickers or dims inconsistently.	<ul style="list-style-type: none">◦ Incompatible dimmer switch.◦ Loose wiring.◦ Voltage fluctuations.	<ul style="list-style-type: none">◦ Ensure dimmer is LED compatible (Triac or ELV). Replace if necessary.◦ Turn off power, check all wire connections.◦ Consult an electrician to check household voltage.
Incorrect color temperature.	<ul style="list-style-type: none">◦ CCT switch set incorrectly.	<ul style="list-style-type: none">◦ Turn off power, access the junction box, and adjust the CCT switch to the desired setting.

If these solutions do not resolve the issue, contact Nora Lighting customer support or a qualified electrician.

SPECIFICATIONS

Feature	Detail
Model Number	NMC-6RTWMPW
Brand	Nora Lighting

Feature	Detail
Size	6 inches
Light Source	Integrated LED
Wattage	13 Watts
Brightness	1300 Lumens
Voltage	120 Volts (AC)
Color Temperature (CCT)	Selectable: 2700K / 3000K / 3500K / 4000K / 5000K
Dimming	Triac or ELV Dimming
Adjustability	80° Tilt & 360° Rotation
Material	Aluminum
Color	Matte Powder White
Cut-out Size	5 inches (refer to Figure 2)
Certifications	cETLus Listed for Wet Locations
Housing Required	No (Can-Less Design)
Air-Tight Rating	IC Air-Tight Rated

WARRANTY INFORMATION

Nora Lighting products are manufactured to high standards and are backed by a manufacturer's warranty. Specific warranty terms and duration may vary. Please refer to the official Nora Lighting website or contact their customer service for detailed warranty information applicable to the NMC-6RTWMPW model.

Additionally, extended protection plans may be available for purchase through your retailer. For example, 3-Year and 4-Year protection plans may be offered to cover your product beyond the standard manufacturer's warranty.

Note: Any unauthorized modifications or improper installation will void the product warranty.

CUSTOMER SUPPORT

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact Nora Lighting customer support:

- **Website:** Visit the official Nora Lighting website for support resources, FAQs, and contact information.
- **Phone/Email:** Refer to the Nora Lighting website for current contact details.

When contacting support, please have your product model number (NMC-6RTWMPW) and purchase date readily available.