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› OHLETRIC 6-Inch LED Recessed Downlight and 26-Inch Rough-in Plate Set Instruction Manual

OHLETRIC 473eb7c1-f818-4621-a8dd-09e5f32bf2cc

OHLETRIC 6-Inch LED Recessed Downlight and 26-Inch Rough-in Plate Set Instruction Manual

1. PRODUCT OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of your OHLETRIC 6-inch LED Recessed Downlight and 26-inch Rough-in LED Light Plate Set. This bundle is designed for both residential and commercial applications, offering versatile lighting solutions with adjustable features.

Package Contents (Per Pack of 6)

- 6 x OHLETRIC 6-inch LED Recessed Downlights with integrated driver boxes
- 6 x OHLETRIC 26-inch Galvanized Steel Rough-in LED Light Plates
- Installation hardware (e.g., wire connectors)



This image displays the complete OHLETRIC bundle, including six 6-inch LED recessed downlights with their driver boxes and six 26-inch galvanized steel rough-in plates, packaged together.

2. SAFETY INFORMATION

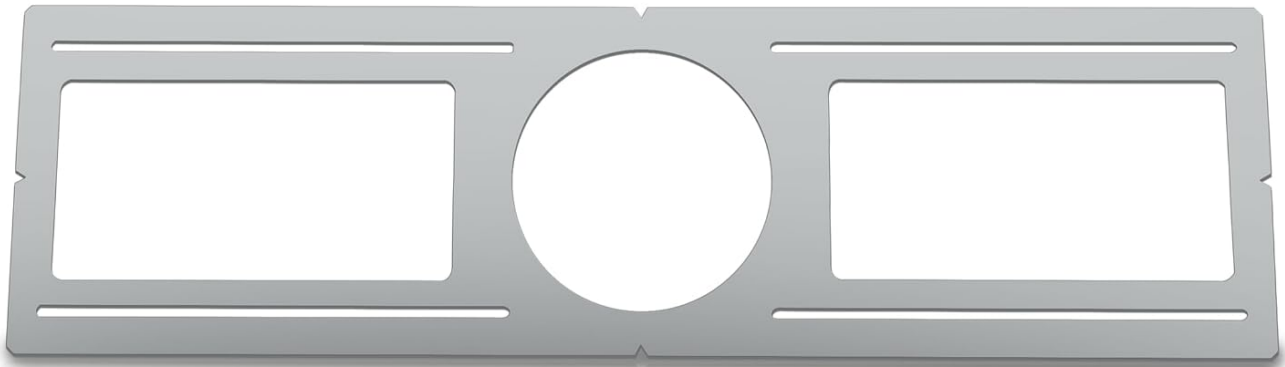
Please read and understand all instructions before beginning installation. Failure to follow these instructions may result in electric shock, fire, or other hazards that could cause personal injury or property damage.

- **WARNING: Risk of Electric Shock.** Always disconnect power at the circuit breaker or fuse box before installing or servicing the fixture.
- Consult a qualified electrician if you are unsure about the installation process or wiring.
- Ensure all electrical connections are secure and comply with local electrical codes and ordinances.
- Do not modify the product in any way. Any modifications may void the warranty and create safety hazards.
- This product is designed for indoor use and is suitable for wet locations as specified. Do not expose to direct water spray unless explicitly rated for such conditions.
- Handle the LED downlights and driver boxes with care to avoid damage.

3. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	OHLECTRIC
Model Number	473eb7c1-f818-4621-a8dd-09e5f32bf2cc
Product Type	6-Inch LED Recessed Downlight with 26-Inch Rough-in Plate
Material (Downlight)	Stainless Steel, Alloy Steel (Shade)
Material (Rough-in Plate)	Galvanized Steel
Color	Silver, White
Light Source Type	Integrated LED
Input Voltage	AC120V, 60Hz
Wattage Options	9W, 12W, 15W (selectable)
Lumen Output	750Lm (9W), 950Lm (12W), 1150Lm (15W)
Color Temperature (CCT)	2700K, 3000K, 3500K, 4000K, 5000K (selectable)
Color Rendering Index (CRI)	90RA+
Dimming Capability	100%-10% (TRIAC Dimming)
Approved Location	Wet Location
Air Tight	Yes
Operating Temperature	-4°F to 104°F (-20°C to 40°C)
Beam Angle	110°
Rough-in Plate Size	26 inches (660mm)
Recessed Fixture Opening (Plate)	6 1/4 inches (159mm)
Downlight Cut Hole Size	4 1/4 inches (108mm)

PRODUCT INFORMATION



BRAND: OHLECTRIC

MATERIAL: GALVANIZED STEEL

PLATE SIZE: 26 INCHES

SIZE OF RECESSED FIXTURES: 6 1/4 INCHES

SPECIFIC USES: CEILINGS

SHAPE: RECTANGULAR

ITEM PACKAGE QUANTITY: 6

Detailed product information for the OHLECTRIC 26-inch rough-in LED light plate, highlighting its material (galvanized steel), size (26 inches), and suitability for 6 1/4 inch recessed fixtures.



PRODUCT INFORMATION

BRAND	OHBULBS				
PRODUCT	6-INCH LED ROUND SLIM PANEL				
WATTS	9W	12W	15W		
LIGHT OUPUT(LM)	750 Lm	950 Lm	1150 Lm		
COLOR TEMPERATURE(K)	2700K	3000K	3500K	4000K	5000K
CRI	90RA+(80RA OPTIONAL)				
DEFAULT DRIVER INPUT	AC120V, 60HZ				
DIMMING	TRIAC DIMMING				
POWER FACTOR	>0.9				
APPROVED LOCATION	WET LOCATION				
AIR TIGHT	YES				
OPERATING TEMP.	(-4°F~104°F) -20~40°C				
BEAM ANGLE	110°				



FOR INDOOR
USED ONLY



DIMMABLE



WET LOCATION



INSTANT ON/OFF



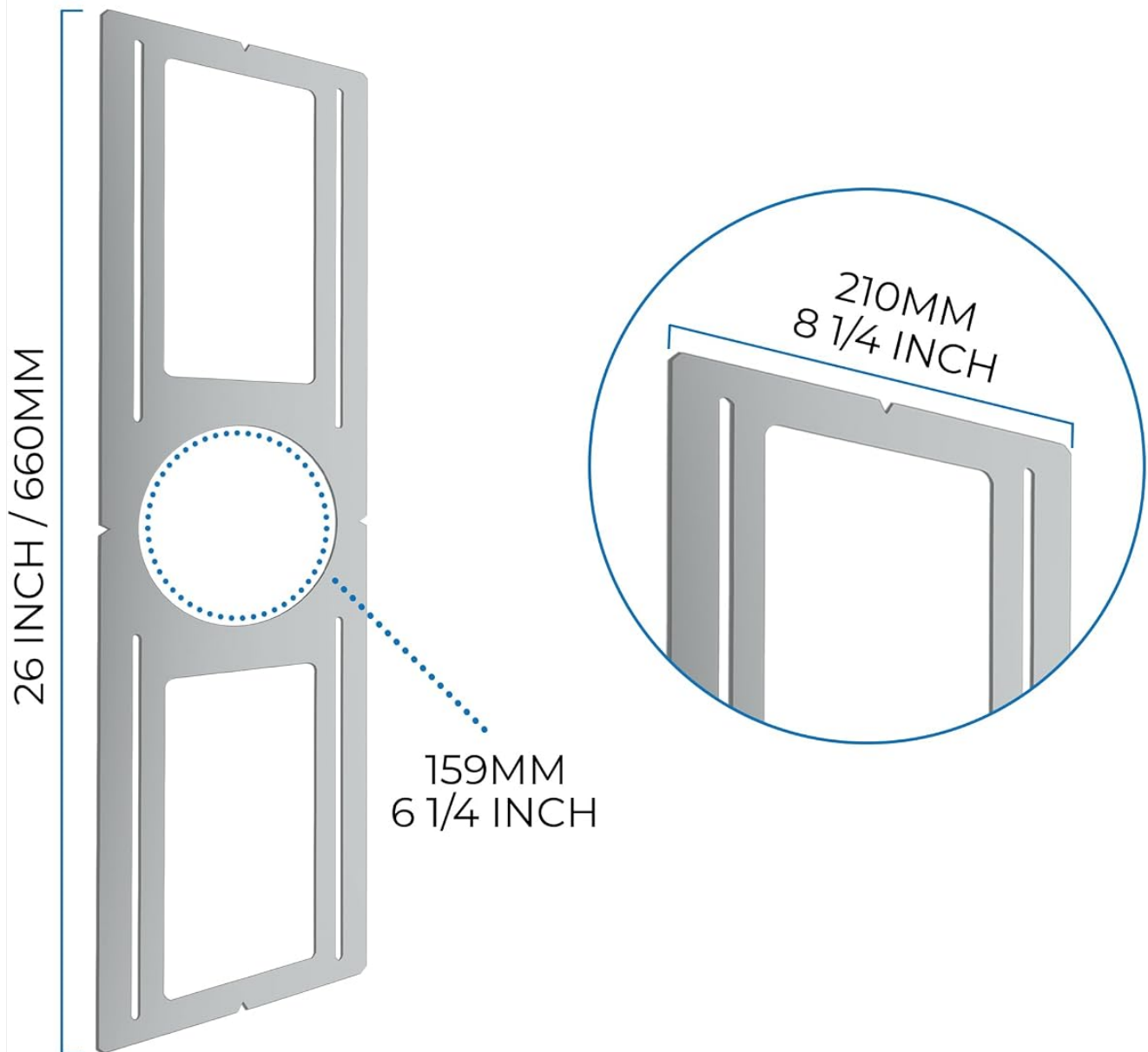
IC RATED



AIR TIGHT

Specifications for the OHLETRIC 6-inch LED recessed downlight, including wattage options (9W, 12W, 15W), lumen output, color temperature range (2700K-5000K), dimming capability (TRIAC), and approved wet location use.

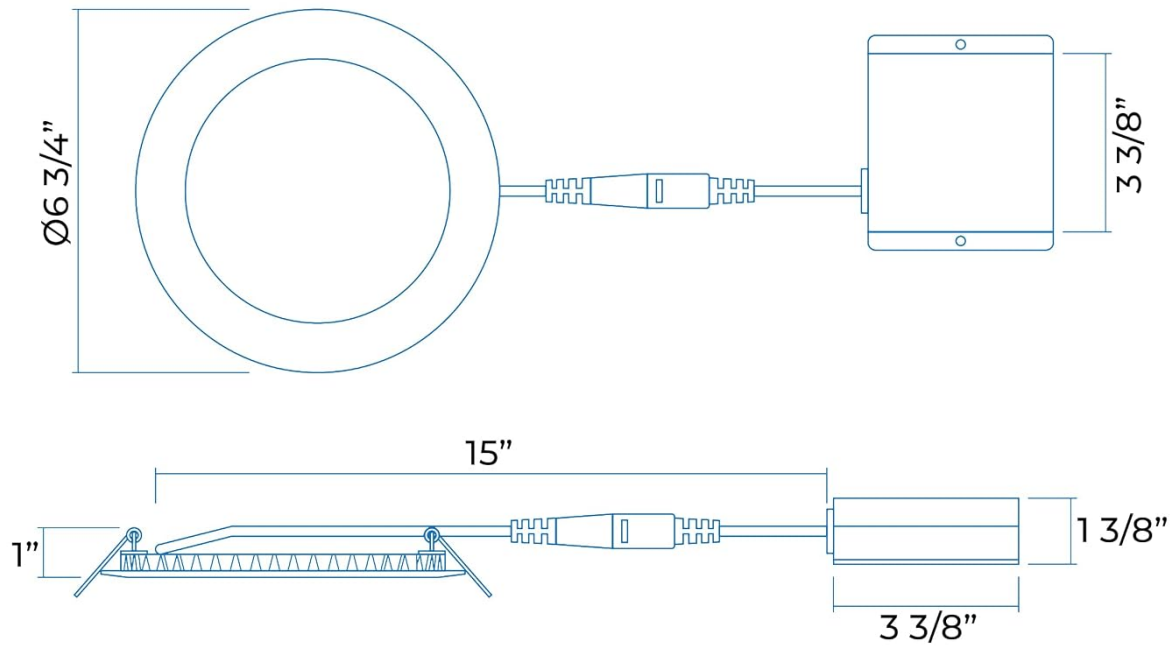
PRODUCT DIMENSION



**MADE FROM TOP QUALITY
GALVANISED STEEL MATERIAL**

This diagram illustrates the precise dimensions of the 26-inch rough-in LED light plate, showing its length (660mm / 26 inches) and the central opening size (159mm / 6 1/4 inches) for the recessed fixture.

PRODUCT DIMENSIONS



INSTALLATION



Cut Hole Size
 $\text{Ø}4\text{-}1/4"$ (108mm)



Technical drawing showing the dimensions of the 6-inch LED recessed downlight and a cross-section view of its installation, indicating the cut hole size ($\text{Ø}4\text{-}1/4$ inches / 108mm), remote driver box, and spring clips.

4. INSTALLATION GUIDE

Tools Required (Not Included)

- Screwdriver (Phillips and/or Flathead)
- Wire Strippers
- Measuring Tape
- Drywall Saw or Hole Saw (for 4-1/4 inch diameter hole)
- Pencil
- Safety Glasses and Gloves

Preparation

1. **Turn off power** at the main circuit breaker or fuse box to the area where you will be installing the lights. Verify power is off using a voltage tester.

2. Unpack all components and inspect for any damage.
3. Determine the desired locations for your recessed lights. Ensure there is sufficient clearance above the ceiling for the rough-in plate and downlight driver box.

Rough-in Plate Installation (New Construction)

1. Position the 26-inch rough-in plate between ceiling joists or T-bars. The plate is designed to fit various structure layouts.
2. Secure the plate to the ceiling structure using appropriate fasteners (e.g., screws, nails, or clips, not included) through the designated mounting holes and tracks.
3. Ensure the central circular opening of the plate is centered where you intend the downlight to be.



IDEAL FOR **NEW CONSTRUCTION** APPLICATIONS

An image demonstrating the installation of the OHLECTRIC recessed downlight and rough-in plate in a new construction ceiling, highlighting its suitability for pre-drywall installation.

LED Downlight Installation

1. Once the rough-in plate is secured and drywall is installed, mark and cut a 4-1/4 inch (108mm) diameter hole in the ceiling drywall at the center of the rough-in plate's opening.
2. Open the remote driver box provided with the LED downlight.

3. Connect the house wiring (AC120V, 60Hz) to the driver box. Use the provided wire connectors to connect the Live (black), Neutral (white), and Ground (green/bare copper) wires securely. Ensure proper polarity.
4. Before closing the driver box, select your desired wattage (9W, 12W, or 15W) and color temperature (2700K, 3000K, 3500K, 4000K, or 5000K) using the switches located on the driver box.
5. Close the driver box and secure it. Place the driver box above the ceiling, ensuring it does not interfere with the downlight.
6. Connect the downlight's cable to the output cable of the driver box. Ensure the connection is firm.
7. Gently push the spring clips on the sides of the downlight upwards. Insert the downlight into the cut hole in the ceiling. The spring clips will automatically engage and hold the light securely in place.
8. Ensure the downlight is flush with the ceiling surface.

Final Check

Once all downlights are installed, restore power at the circuit breaker and test the lights to ensure they are functioning correctly.

FITS FOR 6 INCH LED RECESSED LIGHTS

WIDE APPLICATION:

HOME



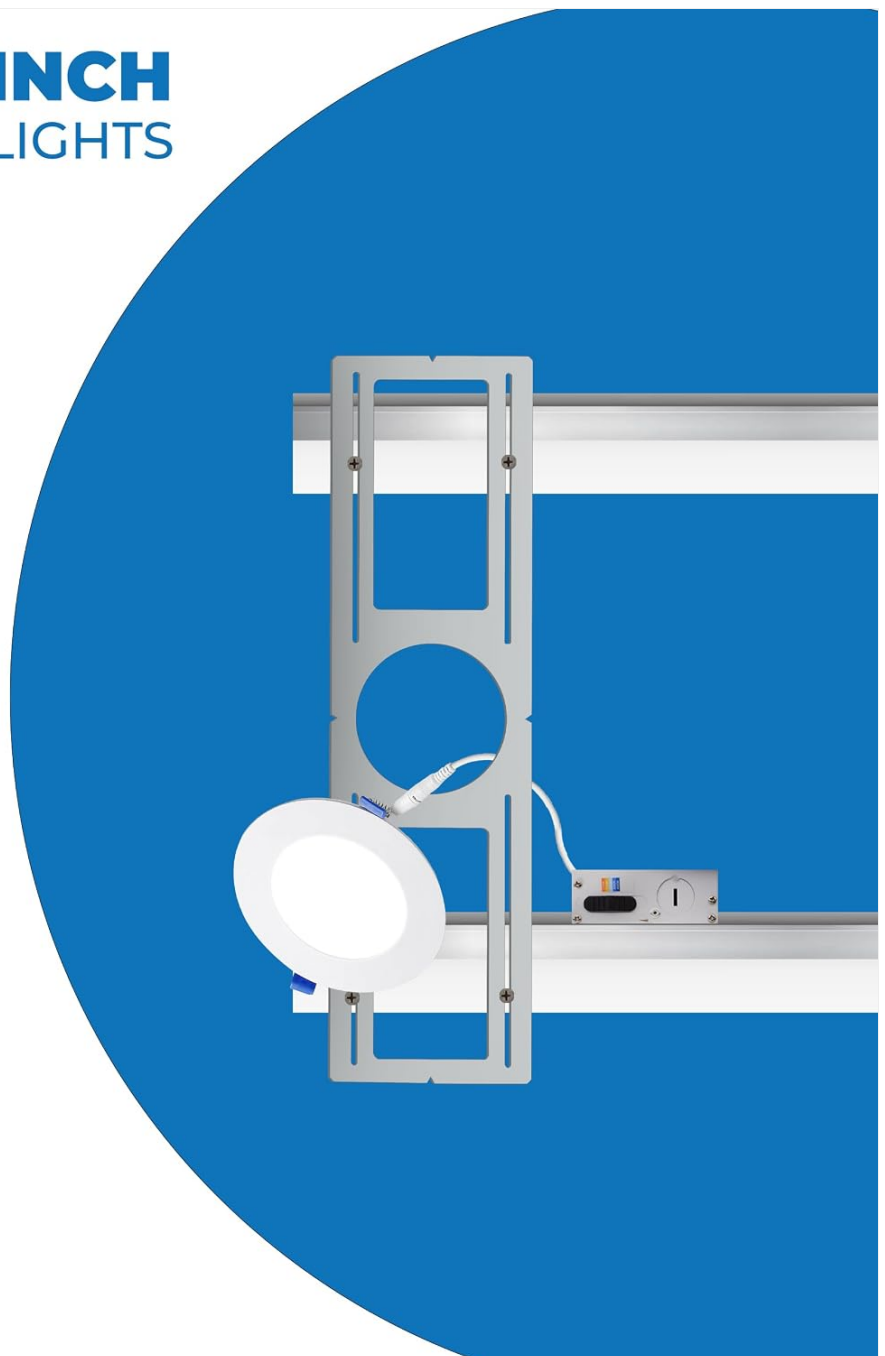
SCHOOL



HOSPITAL



OFFICE



Visual representation of the versatility of the OHLECTRIC recessed lighting system, showing its applicability in various settings such

5. OPERATING INSTRUCTIONS

Powering On/Off

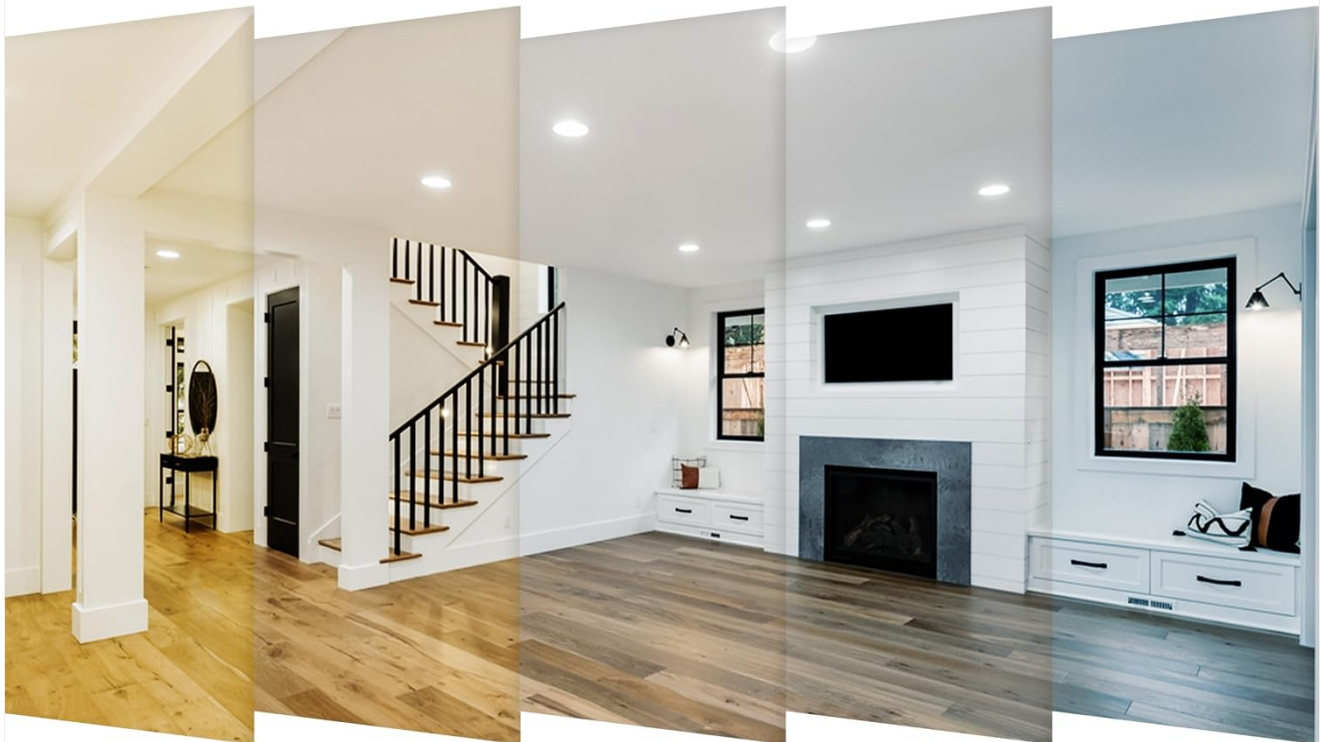
The OHLECTRIC LED Recessed Downlight is controlled by a standard wall switch connected to the circuit. Simply toggle the switch to turn the lights on or off.

Adjusting Color Temperature (CCT) and Wattage

The color temperature (CCT) and wattage of your downlight are adjustable via switches located on the remote driver box. These settings should be selected during installation, before the downlight is fully recessed into the ceiling. The available CCT options are 2700K (Soft White), 3000K (Bright White), 3500K (Neutral White), 4000K (Cool White), and 5000K (Daylight). Wattage options are 9W, 12W, and 15W.

ADJUSTABLE CCT

2700K • 3000K • 3500K • 4000K • 5000K



2700K
Soft White

3000K
Bright White

3500K
Neutral White

4000K
Cool White

5000K
Daylight

3CCT or 5CCT Color Adjustable & 3 Level Of Power Output

A visual guide illustrating the adjustable color temperature feature of the LED downlight, showcasing different light settings from 2700K (Soft White) to 5000K (Daylight).

Dimming Function

The downlight supports TRIAC dimming from 100% down to 10%. For optimal performance and to avoid flickering, use a compatible TRIAC dimmer switch. Ensure your dimmer switch is rated for LED lighting.

6. CARE AND MAINTENANCE

Cleaning

To clean the fixture, ensure power is off at the circuit breaker. Use 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.

Longevity

The OHLECTRIC LED downlights are designed for long-lasting performance. The galvanized steel rough-in plates offer excellent durability and corrosion resistance, ensuring the structural integrity of your installation for years to come. No user-serviceable parts are inside the LED downlight or driver box.

7. TROUBLESHOOTING

If you encounter any issues with your OHLECTRIC LED Recessed Downlight and Rough-in Plate Set, please refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Light does not turn on	No power to the fixture Loose wiring connection Faulty driver box or LED	Check the circuit breaker and wall switch. Ensure power is restored. Turn off power, then check all wire connections in the driver box. Contact customer support if power and connections are verified.
Light flickers or dims improperly	Incompatible dimmer switch Loose wiring connection	Ensure a TRIAC compatible LED dimmer switch is used. Turn off power, then check all wire connections.
Light is too dim or too bright	Incorrect wattage setting	Turn off power. Access the driver box and adjust the wattage switch to the desired setting.
Light color is not desired	Incorrect CCT setting	Turn off power. Access the driver box and adjust the CCT switch to the desired color temperature.
Downlight falls out of ceiling	Spring clips not properly engaged Incorrect hole size	Turn off power. Re-insert the downlight, ensuring the spring clips are fully extended and securely holding the fixture against the ceiling. Verify the cut hole size is 4-1/4 inches (108mm).

8. WARRANTY AND CUSTOMER SUPPORT

For warranty information or if you require further assistance, please contact OHLECTRIC customer support. Keep

your purchase receipt as proof of purchase.

Contact Information: Please refer to the product packaging or the OHLECTRIC official website for the most current customer support contact details.