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> HALO RL 4-Inch Canless LED Recessed Lighting Downlight (Model RL4LS9FSD2W1EWHDM) Instruction Manual

HALO RL4LS9FSD2W1EWHDM

HALO RL 4-Inch Canless LED Recessed Lighting Downlight Instruction Manual

Model: RL4LS9FSD2W1EWHDM

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your HALO RL 4-Inch Canless LED Recessed Lighting Downlight. This fixture is designed for both indoor and outdoor applications, offering versatile lighting solutions with adjustable color temperature and lumen output. Please read these instructions thoroughly before beginning installation to ensure proper and safe operation.



Image: Front view of the HALO RL 4-inch canless LED recessed downlight.

SAFETY INFORMATION

Always follow basic safety precautions when installing or working with electrical fixtures. Failure to do so

may result in serious injury or property damage.

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation or servicing.
- **WARNING:** Risk of fire. Use only with specified voltage and wattage.
- Consult a qualified electrician if you are unsure about the installation process.
- Ensure all electrical connections are made in accordance with local codes and ordinances.
- Do not modify the fixture. Any modifications may void the warranty and create safety hazards.
- This fixture is suitable for wet locations, making it appropriate for showers and protected outdoor ceilings.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- HALO RL 4-Inch Canless LED Recessed Downlight Fixture
- Remote Driver/Junction Box
- Installation Template
- Instruction Manual (this document)

PRODUCT OVERVIEW

The HALO RL downlight features an integrated design that eliminates the need for traditional recessed housing. Key components and features are highlighted below:

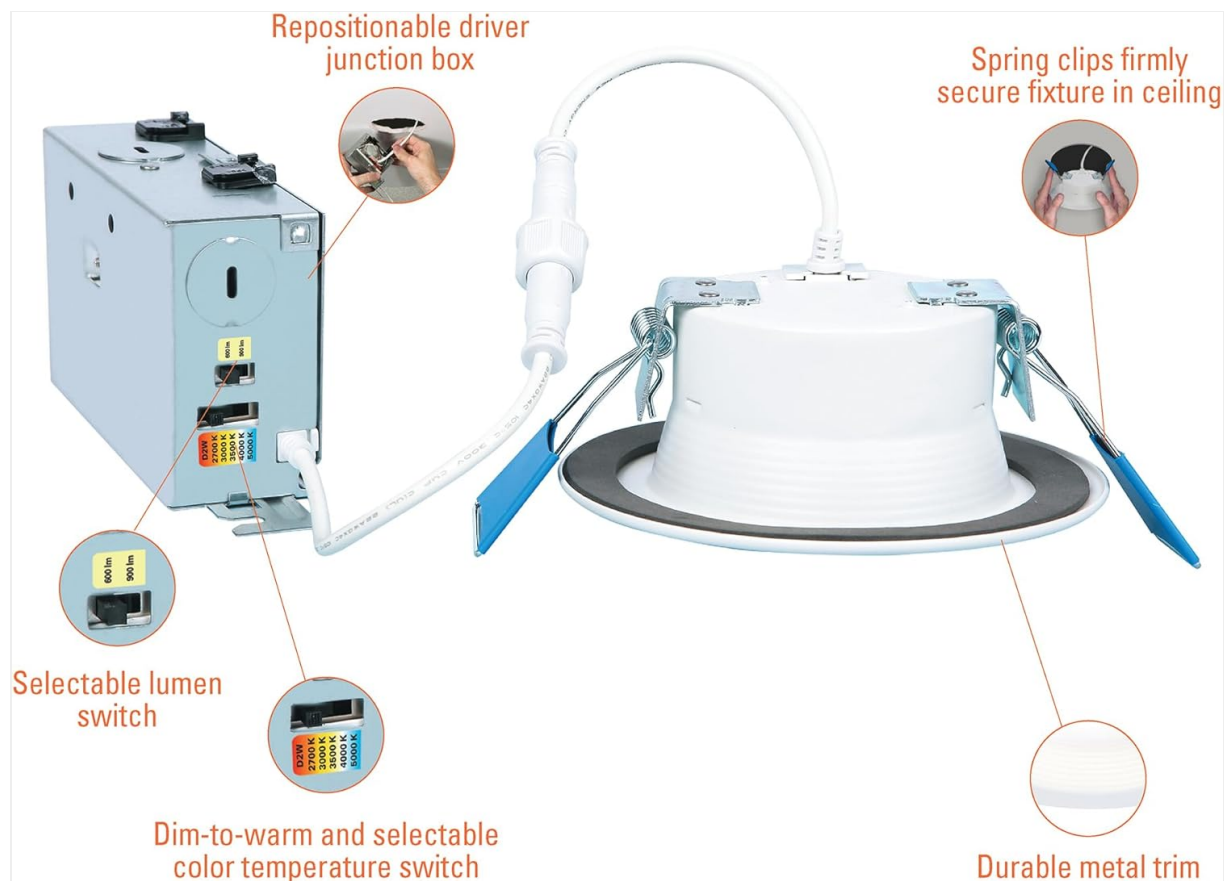


Image: Exploded view showing the repositionable driver junction box, selectable lumen switch, dim-to-warm and selectable color temperature switch, spring clips, and durable metal trim.

- **Repositionable Driver Junction Box:** Connects to the main power supply and houses the control

switches.

- **Selectable Lumen Switch:** Allows adjustment of light output (e.g., 600 or 900 lumens).
- **Dim-to-Warm and Selectable Color Temperature Switch:** Provides options for various color temperatures (2700K to 5000K) and a dim-to-warm feature.
- **Spring Clips:** Securely hold the fixture in the ceiling opening.
- **Durable Metal Trim:** Provides a finished appearance.



Image: Diagram illustrating the dimensions of the downlight fixture (5.13 inches diameter, 2.0 inches depth) and the remote junction box (6.5 inches length, 3.16 inches height).

INSTALLATION INSTRUCTIONS

The canless design simplifies installation in drywall or suspended ceilings, eliminating the need for recessed cans.



NO HOUSING NEEDED!



Simplified installation in drywall or suspended ceilings eliminates recessed cans saving you time and money. Regressed to limit glare and provide the look of a traditional downlight.

Image: Graphic stating "NO HOUSING NEEDED!" with an illustration of simplified installation in drywall or suspended ceilings.

Step-by-Step Installation:

1. **Prepare the Ceiling:** Turn off power at the circuit breaker. Use the provided template to mark and cut a 4.18-inch (10.6 cm) diameter hole in the ceiling drywall. Ensure there are no obstructions (joists, pipes, wires) in the ceiling space.
2. **Connect Wiring:** Open the remote driver junction box. Connect the building's electrical supply wires (hot, neutral, ground) to the corresponding wires in the junction box using appropriate connectors (e.g., Wago connectors, if supplied). Secure the wires according to local electrical codes.
3. **Insert Junction Box:** Place the wired junction box through the ceiling cutout. The box is designed to sit above the ceiling.
4. **Connect Fixture to Junction Box:** Connect the cable from the downlight fixture to the remote driver junction box. Ensure a secure connection.
5. **Install Downlight Fixture:** Fold the spring clips on the downlight fixture upwards. Insert the fixture into the ceiling cutout. The spring clips will automatically snap down and secure the fixture against the ceiling surface.

Easy Installation!

- 2" depth makes this product great for use in shallow ceilings
- Fits into applications with as little as 2" x 4' joist



Ceiling Cutout Size



Image: Visual guide showing the four steps of installation: 1. Cutting the ceiling hole, 2. Wiring the junction box, 3. Inserting the fixture, 4. Securing the fixture in place.

OPERATING INSTRUCTIONS

The HALO RL downlight offers adjustable settings for light output and color temperature to suit various preferences and environments.

1. Selectable Color Temperatures (seleCCTable™)

Before final installation or by carefully pulling down the fixture, locate the color temperature switch on the driver junction box. Choose from five distinct color temperatures:

- **2700K:** Warm White
- **3000K:** Soft White
- **3500K:** Neutral White
- **4000K:** Cool White
- **5000K:** Daylight



5
seleCCTable™
colors

2700K • 3000K • 3500K
4000K • 5000K

The SeleCCTable™ technology puts flexibility at your fingertips. By using the switch located on the driver junction box, the user can choose from a range of five color temperatures 2700K - 5000K or a dim-to-warm setting.

Image: Illustration of the 5 selectable color temperatures (2700K, 3000K, 3500K, 4000K, 5000K) and the switch on the driver junction box for selection.

2. Selectable Lumen Output

Adjust the brightness level by selecting the desired lumen output on the switch located on the lighting module or driver junction box. This model offers two lumen options:

- **600 Lumens**
- **900 Lumens**



Image: Graphic depicting selectable lumen options (600lm, 900lm) and the switch on the driver junction box for adjustment.

3. Dim-to-Warm Feature

When the Dim-to-Warm setting is selected via the color temperature switch, the light will transition from a bright white (3000K) to a warm, candlelight glow (1800K) as it is dimmed using a compatible dimmer switch (sold separately). This feature creates a cozy and inviting atmosphere.

dim-to-warm
use your dimmer
to set the mood

3000K **1800K**

The dim-to-warm setting begins at 3000K and dims smoothly to 1800K, creating a rich, warm glow resembling candlelight or the sun on the horizon.

Image: Illustration of the dim-to-warm feature, showing light transitioning from 3000K to 1800K as it dims.

MAINTENANCE

LED fixtures require minimal maintenance. Follow these guidelines to ensure longevity and optimal performance:

- **Cleaning:** Ensure power is off before cleaning. Wipe the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or electrical components.
- **Bulb Replacement:** This fixture uses integrated LED technology, meaning there are no bulbs to replace. The LED array 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.

TROUBLESHOOTING

If your HALO RL downlight is not functioning correctly, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on	No power to the fixture; Loose wiring connection; Faulty switch or circuit breaker	Check circuit breaker and wall switch. Verify all wiring connections are secure. Test power supply at the fixture.
Light flickers	Incompatible dimmer switch; Loose wiring; Voltage fluctuations	Ensure a compatible LED dimmer is used. Check wiring connections. Consult an electrician if voltage issues are suspected.
Incorrect color temperature or brightness	Switches on driver box set incorrectly	Carefully pull down the fixture and adjust the color temperature and lumen switches on the driver junction box to the desired settings.

SPECIFICATIONS

Technical details for the HALO RL 4-Inch Canless LED Recessed Lighting Downlight (Model RL4LS9FSD2W1EWHDM):

- **Brand:** HALO
- **Model Name:** RL DM
- **Part Number:** RL4LS9FSD2W1EWHDM
- **Size:** 4 inch
- **Material:** Aluminum
- **Light Source Type:** LED
- **Brightness:** 600-900 Lumens (selectable)
- **Color Temperature:** 2700K, 3000K, 3500K, 4000K, 5000K (selectable), plus Dim-to-Warm (3000K-1800K)
- **Wattage:** 10.9 watts
- **Voltage:** 120 Volts
- **Efficiency:** 82.567 lumens/watt
- **Indoor/Outdoor Usage:** Indoor/Outdoor (Wet Location Listed)
- **Installation Type:** Flush Mount
- **Control Method:** App (if compatible with smart home systems, check specific model for details), Remote Control (with compatible dimmer), Rotary/Push Button (on fixture)
- **Product Dimensions:** 5.12"L x 5.12"W x 3.12"H
- **Item Weight:** 1.04 pounds
- **Certifications:** ENERGY STAR-listed, IC-rated for insulation contact, Air-Tite certified, UL Certified, RoHS Compliant, T24 Compliant.
- **UPC:** 080083258901

RL-DM Direct Mount Baffle Trim

Canless Recessed Downlight



Image: A modern living room and kitchen illuminated by HALO RL downlights, with logos for ENERGY STAR, T24, UL Certified, RoHS, and a 5-Year Limited Warranty.

WARRANTY AND SUPPORT

HALO products are designed and tested in the USA, offering quality and reliability. This product is backed by a 5-year limited warranty.

- **Warranty Period:** 5 years from the date of purchase.
- **Coverage:** Covers defects in materials and workmanship under normal use.
- **Exclusions:** Does not cover damage due to improper installation, misuse, abuse, or acts of nature.
- For warranty claims or technical support, please contact HALO customer service. Refer to the product packaging or the official HALO website for current contact information.