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## Signify RD6R99301W

# Signify Lightolier LED Retrofit Downlight RD6R99301W Instruction Manual

Model: RD6R99301W

## Introduction

The Signify Lightolier LED Retrofit Downlight provides an efficient and straightforward lighting solution. Designed for both existing ceilings and new construction, this 6-inch round downlight offers 900 lumens of light output with a 3000K color temperature, consuming only 10 watts at 120V. Its energy-saving LED technology ensures a long operational life.

## Important Safety Information

Please read and understand all instructions before installation. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing.
- **WARNING:** Risk of fire. Do not modify the product.
- This product is intended for indoor use only.
- Ensure all electrical connections are made in accordance with local codes and ordinances. Consult a qualified electrician if you are unsure about wiring.
- Do not install in wet locations.
- Ensure the existing recessed housing is properly grounded.

## What's in the Box

The package includes the following components:

- Lightolier LED Retrofit Downlight unit

## Setup and Installation

### Pre-Installation Checklist

1. Turn off power at the circuit breaker or fuse box to avoid electrical shock.
2. Verify that the existing recessed housing is a 6-inch diameter and has a minimum depth of 7.4 inches (188mm) for proper fit.
3. Carefully unpack the LED retrofit downlight and inspect for any damage.

*Image 1: Front and side view of the Signify Lightolier LED Retrofit Downlight. This image displays the white finish and the integrated LED light source.*

## Installation Steps

1. If replacing an existing fixture, carefully remove the old trim and bulb from the recessed housing.
2. Locate the existing socket in the recessed housing. Connect the orange quick connector from the LED retrofit downlight to the socket. Ensure a secure connection.
3. Gently push the LED retrofit downlight into the recessed housing. The spring clips on the side of the downlight will secure it in place. Ensure the downlight is flush with the ceiling.
4. Restore power at the circuit breaker or fuse box.

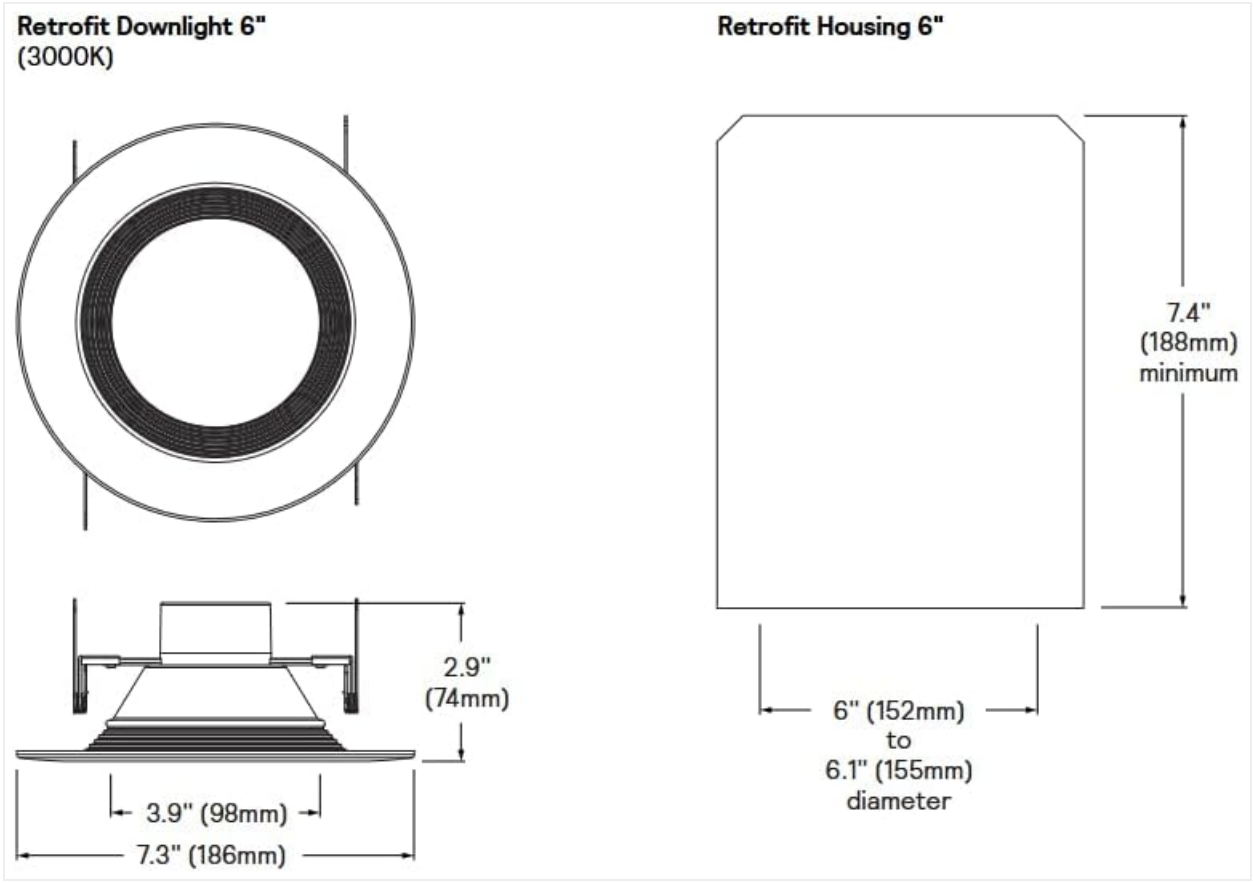


*Image 2: Technical drawing showing the dimensions of the 6-inch retrofit downlight, including its 7.3-inch (186mm) outer diameter and 2.9-inch (74mm) height.*




*Image 3: Technical drawing illustrating the required dimensions for the 6-inch retrofit housing, showing a 6-inch (152mm) to 6.1-inch (155mm) diameter and a minimum depth of 7.4 inches (188mm).*

## Operating Instructions

The Lightolier LED Retrofit Downlight operates by a standard wall switch. Once installed and power is restored, the light will turn on when the switch is in the 'ON' position and turn off when in the 'OFF' position.

- **Dimming:** This LED downlight is compatible with most standard incandescent and LED dimmers. For optimal performance and to avoid flickering, ensure your dimmer is compatible with LED lighting. Refer to your dimmer's instructions for specific compatibility and wiring.

## Maintenance

The Lightolier LED Retrofit Downlight is designed for long-lasting, maintenance-free operation. No user-serviceable parts are inside.

- **Cleaning:** To clean the fixture, ensure power is disconnected. Wipe the surface with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners, solvents, or chemicals, as these can damage the finish or electrical components.
- **LED Longevity:** The integrated LED light source has a rated life of 50,000 hours and does not require bulb replacement.

## Troubleshooting

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

| Problem | Possible Cause | Solution |
|---|---|---|
| Light does not turn on | No power to the fixture; Loose wiring connection; Faulty switch | Check circuit breaker/fuse; Ensure all connections are secure; Test or replace switch |
| Light flickers or dims inconsistently | Incompatible dimmer switch; Loose wiring connection | Ensure dimmer is LED compatible; Check and secure wiring connections |
| Light output is lower than expected | Dimmer setting too low; Incorrect voltage supply | Adjust dimmer to maximum setting; Verify 120V supply |

## Specifications

| | |
|---|---|
| **Brand** | Signify |

| | |
|---|---|
| **Model Name** | RD6R99301W |
| **Light Source Type** | LED |
| **Wattage** | 10 watts |
| **Brightness** | 900 lumens |
| **Color Temperature** | 3000 Kelvin |
| **Voltage** | 120 Volts |
| **Product Dimensions** | 9"L x 9"W x 9"H (Fixture) |
| **Life Hours** | 50,000 hours |
| **Mounting Type** | Ceiling Mount |
| **Material** | Light |
| **Color** | White |
| **Indoor/Outdoor Usage** | Indoor |

## Warranty Information

This Signify Lightolier LED Retrofit Downlight is covered by the manufacturer's standard limited warranty. Please refer to the official Signify website or contact customer support for detailed warranty terms and conditions. Keep your purchase receipt as proof of purchase for any warranty claims.

## Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Signify customer support:

- **Website:** Visit the official Signify or Lightolier website for support resources and contact information.
- **Phone:** Refer to the product packaging or manufacturer's website for the most current customer service phone number.


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Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

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