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> Sunlite 87732-SU 6 Inch CCT Dimmable LED Recessed Light Fixture Instruction Manual

Sunlite 87732-SU

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INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Sunlite 87732-SU 6 Inch CCT Dimmable LED Recessed Light Fixture. This energy-efficient fixture offers adjustable color temperature and wattage, making it a versatile lighting solution for various applications. Please read these instructions carefully before installation and retain them for future reference.

SAFETY INFORMATION

WARNING: This product can expose you to chemicals known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, go to <http://www.P65Warnings.ca.gov>.

- Always turn off power at the circuit breaker before installation or servicing.
- Consult a qualified electrician if you are unsure about the installation process.
- Ensure all electrical connections comply with local codes and ordinances.
- Do not install in areas where the operating temperature exceeds the fixture's rating.
- This fixture is ETL listed for wet locations, making it suitable for damp environments.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Sunlite 87732-SU LED Recessed Light Fixture
- Junction Box
- Installation Instructions (this manual)

SETUP AND INSTALLATION

The Sunlite 87732-SU fixture is designed for easy installation in new construction or retrofit applications. It features spring-loaded clips for a secure fit.

Pre-Installation Steps: Color Temperature and Wattage Selection

Before installing the fixture, select your desired color temperature (CCT) and wattage output using the switches located on the back of the fixture. These settings cannot be changed easily once installed.

- **Color Temperature (CCT) Selection:** Choose between 3000K (Warm White), 3500K (Neutral White), or 4000K (Cool White) to match your preference or room ambiance.
- **Wattage/Lumen Output Selection:** Select the desired brightness level:
 - 9 Watts for 750 Lumens
 - 13 Watts for 1050 Lumens
 - 19 Watts for 1500 Lumens

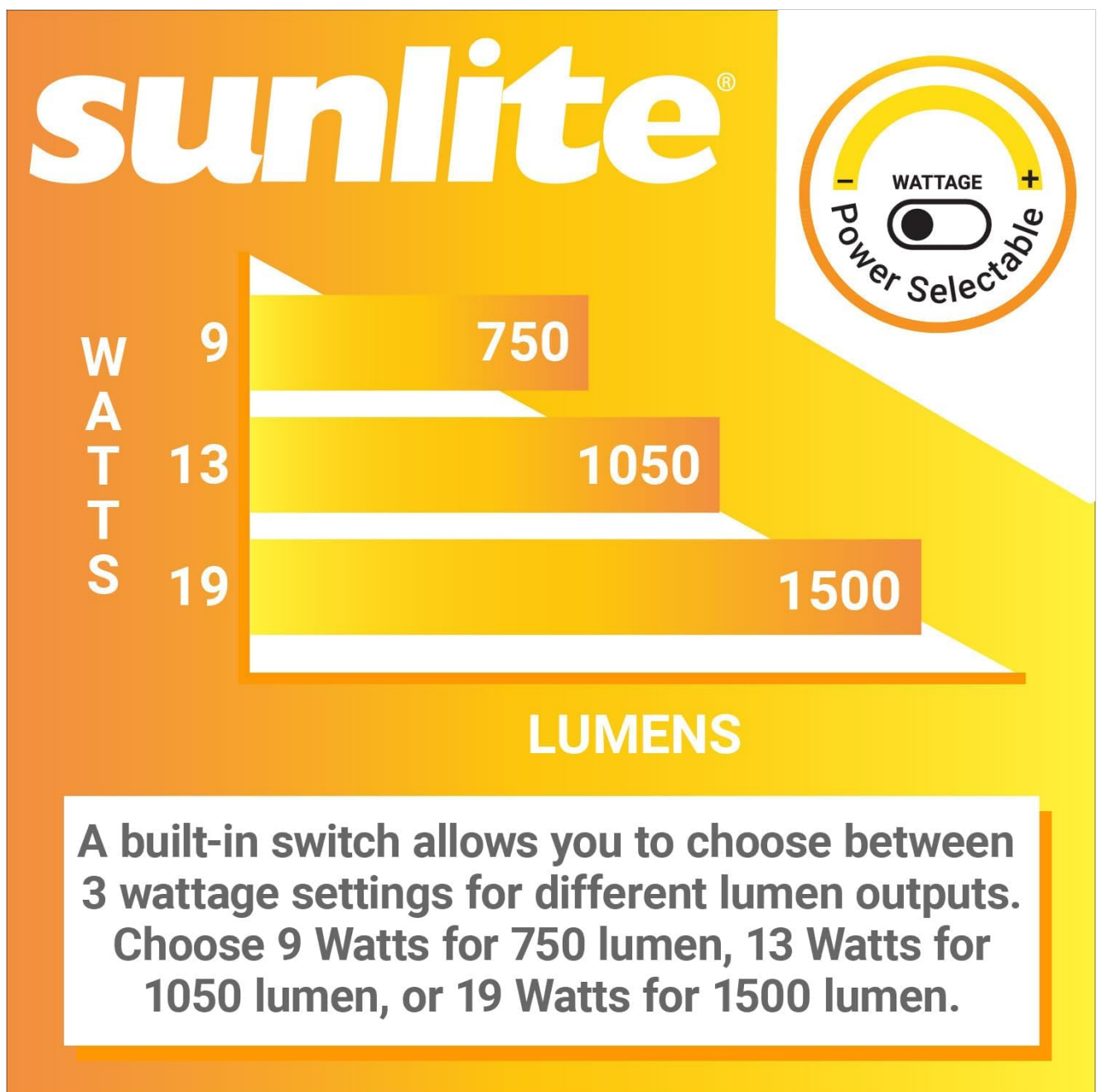


Image: Wattage and Lumen Selection Chart. This image displays a chart showing the correlation between wattage settings (9W, 13W, 19W) and their corresponding lumen outputs (750, 1050, 1500). A built-in switch allows selection of these settings.



Image: Color Temperature Selection Example. This image illustrates the visual difference between 3000K Warm White, 3500K Cool White, and 4000K Cool White settings in a kitchen environment, highlighting the fixture's color selectable feature.

General Installation Steps:

1. Turn off power at the main circuit breaker.
2. Cut a hole in the ceiling according to the fixture's dimensions (typically 6 inches for this model). Refer to the dimension image for precise measurements.
3. Open the junction box and make the necessary electrical connections (line, neutral, ground) to your building's wiring. This fixture is multi-volt compatible (120-277V).
4. Secure the junction box inside the ceiling.
5. Connect the fixture to the junction box.
6. Push the fixture into the ceiling opening. The spring-loaded clips will hold it in place.
7. Restore power and test the fixture.



Image: Sunlite LED Recessed Light Fixture Dimensions. This image shows the side profile of the light fixture with dimensions indicating a 4.49 inch diameter and 4.49 inch height, crucial for proper installation.

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9W/13W/195W Power
Selectable LED Fixture



For Use With
120-277 Volt
Electrical Service



Long 50,000
Hour Life Span



ETL Listed for Wet
Location Installation

Image: Sunlite LED Recessed Light Fixture Features. This image highlights key features such as wattage selectable options, 120-277 Volt compatibility, a 50,000-hour lifespan, and ETL listing for wet location installation.

OPERATING INSTRUCTIONS

Once installed, the Sunlite 87732-SU LED fixture operates like any standard light fixture. The primary operational feature is its dimmability.

- **Dimmable Functionality:** This fixture is dimmable when connected to a compatible 0-10 Volt low voltage dimmer control. Ensure your dimmer is rated for 0-10V operation for optimal performance and a dimming range of 100-10%.
- **Color Rendering Index (CRI):** With a 90 CRI rating, this fixture provides excellent color accuracy, making colors appear truer and more vivid.



HIGH CRI

Sunlite 90 CRI LEDs have a high color rendering index meaning they are closer to natural light than other LED fixtures. You'll see truer and more vivid colors right before your eyes.

Image: High CRI Comparison. This image visually compares the color vibrancy of flowers under a 70 CRI light versus a 90 CRI light, demonstrating how Sunlite's 90 CRI LEDs render colors closer to natural light.

MAINTENANCE

The Sunlite 87732-SU LED fixture is designed for minimal maintenance due to its long-life LED technology.

- **Cleaning:** To clean the fixture, ensure power is off. Use a soft, dry, or slightly damp cloth. Do not use abrasive cleaners or solvents.
- **Bulb Replacement:** The integrated LED chips have a lifespan of up to 50,000 hours, eliminating the need for frequent bulb replacements.

TROUBLESHOOTING

If you encounter issues with your fixture, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on	No power, loose wiring, faulty switch	Check circuit breaker. Verify all wiring connections. Test the wall switch.
Light flickers	Incompatible dimmer, loose connection, voltage fluctuations	Ensure dimmer is 0-10V compatible. Check wiring. Consult an electrician for voltage issues.
Light does not dim properly	Incompatible dimmer, incorrect dimmer wiring	Use a 0-10V low voltage dimmer. Verify dimmer wiring according to its instructions.

SPECIFICATIONS

Brand	Sunlite
Model Number	87732-SU
UPC	653703877327
Color	White Finish
Material	Aluminum and Polycarbonate Plastic
Specific Uses	Commercial, Residential, Offices, Living Rooms, Bedrooms
Power Source	Corded Electric
Light Source Type	LED
Shade Material	Polycarbonate
Number of Light Sources	1
Voltage	120-277 Volts (Multi-Volt)
Wattage	9W / 13W / 19W (Selectable)
Lumen Output	750lm / 1050lm / 1500lm (Selectable)
Color Temperature	3000K / 3500K / 4000K (Selectable)
Dimmability	0-10V Low Voltage Dimming (100-10% range)
CRI	90
Lifespan	Up to 50,000 hours
Fixture Type	Recessed Mount
Certifications	ETL Listed (Wet Location), Energy Star Certified, IC Rated, Airtight
Assembly Required	No

Item Shape

Round

sunlite[®]

**COMMERCIAL
GRADE FIXTURES**

Instant Start Integrated LED Chips

Power and Color Temperature Selectable

90 CRI for True Color Appearance

120-277 Multi-Volt

0-10 Volt Dimming

100 Degree Beam Angle

Type-IC for Direct Contact with Insulation

NEC Rated BX Cable Connection

Attached Safety Cable

Clamp System for Easy Installation

Image: Commercial Grade Features List. This image lists various features of the fixture, including Instant Start Integrated LED Chips, Power and Color Temperature Selectable, 90 CRI, 120-277 Multi-Volt, 0-10 Volt Dimming, 100 Degree Beam Angle, Type-IC for Direct Contact with Insulation, NEC Rated BX Cable Connection, Attached Safety Cable, and Clamp System for Easy Installation.

WARRANTY AND SUPPORT

Your Sunlite 87732-SU LED Recessed Light Fixture is backed by a **3-year limited warranty** from a USA-based company, ensuring quality and reliability.



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**CERTIFIED
QUALITY**

These LED Recessed Light Fixtures are ETL Listed for safety and quality. They are backed by a 3-year limited warranty from a USA based company.

**3
YEAR
WARRANTY**



Image: Certified Quality and 3-Year Warranty. This image highlights the fixture's ETL listing for safety and quality, and its 3-year limited warranty from a USA-based company.

For technical support, warranty claims, or further assistance, please contact Sunlite customer service. Refer to the product packaging or the official Sunlite website for the most current contact information.