

Sunco Lighting DL_SL6-14W

Sunco Lighting 6-Inch Slim LED Recessed Downlight User Manual

Model: DL_SL6-14W

Overview	Safety	Installation	Operation	Maintenance & Support	Troubleshooting	Specifications	Warranty
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1. PRODUCT OVERVIEW

The Sunco Lighting 6-Inch Slim LED Recessed Downlight is designed for easy installation and efficient illumination. This product features a canless design with an integrated junction box, making it suitable for various ceiling types, including those with direct contact to insulation (IC Rated). The 5000K Daylight color temperature provides bright, clear lighting, and the fixture is fully dimmable from 10% to 100%.

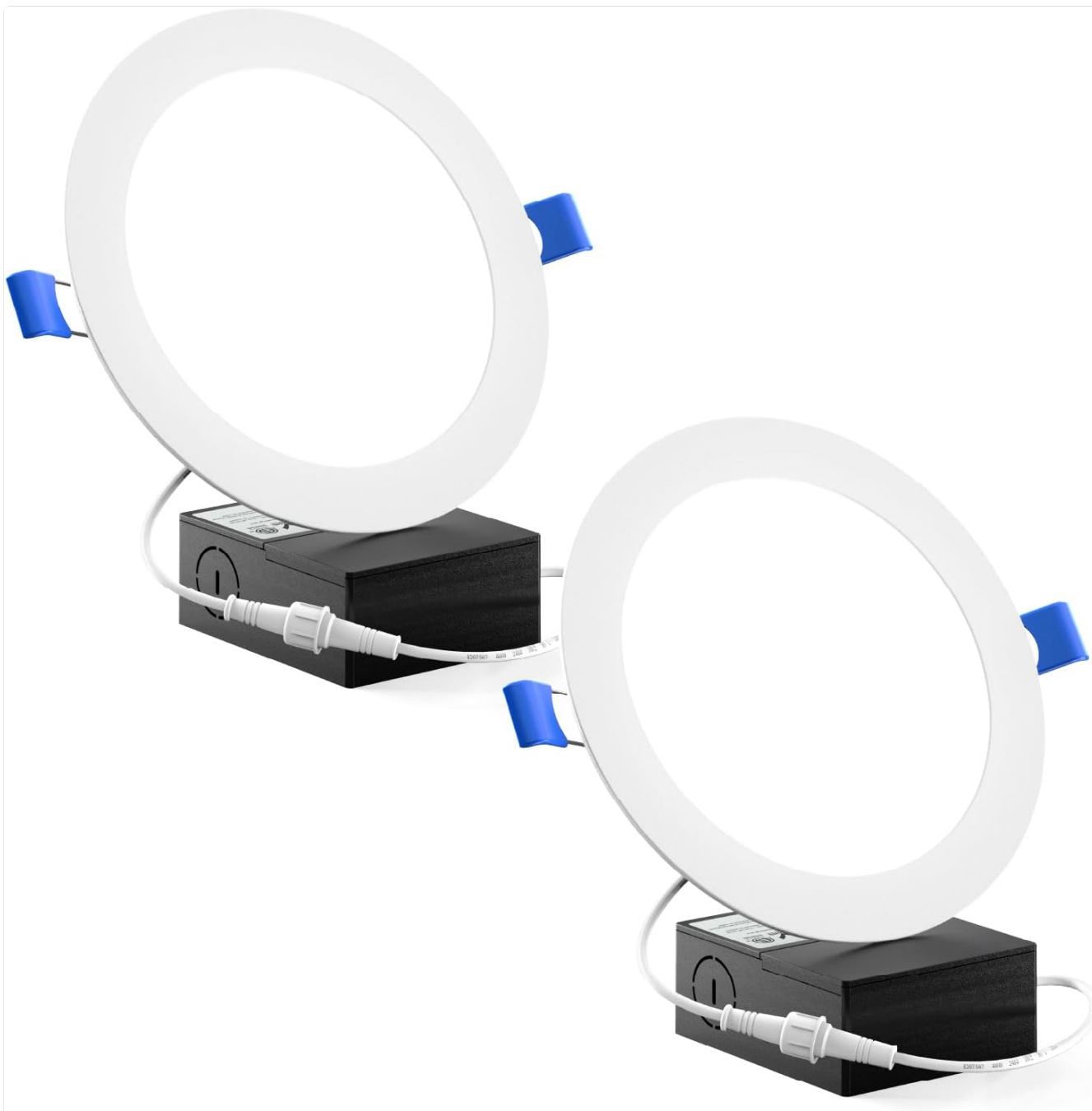


Image 1.1: Two Sunco Lighting 6-inch slim LED recessed downlights with attached junction boxes, ready for installation.

Key Features:

- **6-Inch Slim Design:** Low-profile fixture for modern aesthetics.
- **Integrated Junction Box:** Eliminates the need for a separate can housing.
- **IC Rated:** Safe for direct contact with ceiling insulation.
- **Dimmable:** Smooth dimming capabilities from 10% to 100%.
- **5000K Daylight:** Provides bright, natural light.
- **Easy Installation:** Spring-loaded clips for secure mounting in various ceiling thicknesses.

What's Included:

- Sunco Lighting 6-Inch Slim LED Recessed Downlight (2 units)
- Integrated Junction Box (2 units)
- Installation Manual

2. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before installation and retain this manual for future reference. 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 installation or servicing.
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Ensure all electrical connections are made correctly and securely.
- Do not alter or modify the fixture.
- Suitable for damp locations. Not suitable for direct exposure to water.
- Minimum 90°C supply conductors.
- This fixture is IC Rated, allowing direct contact with insulation.

3. INSTALLATION INSTRUCTIONS

Follow these steps for a safe and proper installation of your Sunco Lighting Slim LED Recessed Downlight.

Tools Required:

- Pencil
- Tape Measure
- Drywall Saw or Hole Saw
- Wire Strippers
- Safety Glasses
- Gloves

Step-by-Step Guide:

1. **Turn Off Power:** Ensure the power supply to the installation area is completely turned off at the circuit breaker.
2. **Cut Hole in Ceiling:** Use the provided template or measure a 6.25-inch diameter hole in the desired ceiling location. Ensure there are no obstructions (joists, pipes, wires) behind the cutting area.
3. **Open Junction Box:** Remove the knockout on the side plate of the junction box.
4. **Connect Wiring:** Feed the electrical supply cable through the knockout hole. Connect the supply wires to the junction box wires using the provided wire nuts: black to black (live), white to white (neutral), and green/bare copper to green (ground). Secure all connections.
5. **Close Junction Box:** Place all wiring and connections back into the junction box and close the cover securely.
6. **Insert Junction Box:** Push the junction box through the cut-out hole in the ceiling.
7. **Connect Downlight:** Connect the male/female connectors from the downlight to the junction box. Ensure a secure connection.
8. **Install Downlight:** Push the spring-loaded clips on the downlight upwards and insert the fixture into the ceiling hole. The clips will automatically secure the fixture in place.
9. **Restore Power:** Turn the power back on at the circuit breaker and test the light fixture.

Effortless Home Upgrade

Easy to Install and Replace



Image 3.1: A Sunco Lighting recessed downlight with its spring clips and junction box during installation into a ceiling opening.

850

Lumens
Brightness

14

Watts
Energy

45

Year
Lifespan

7

Year
Coverage

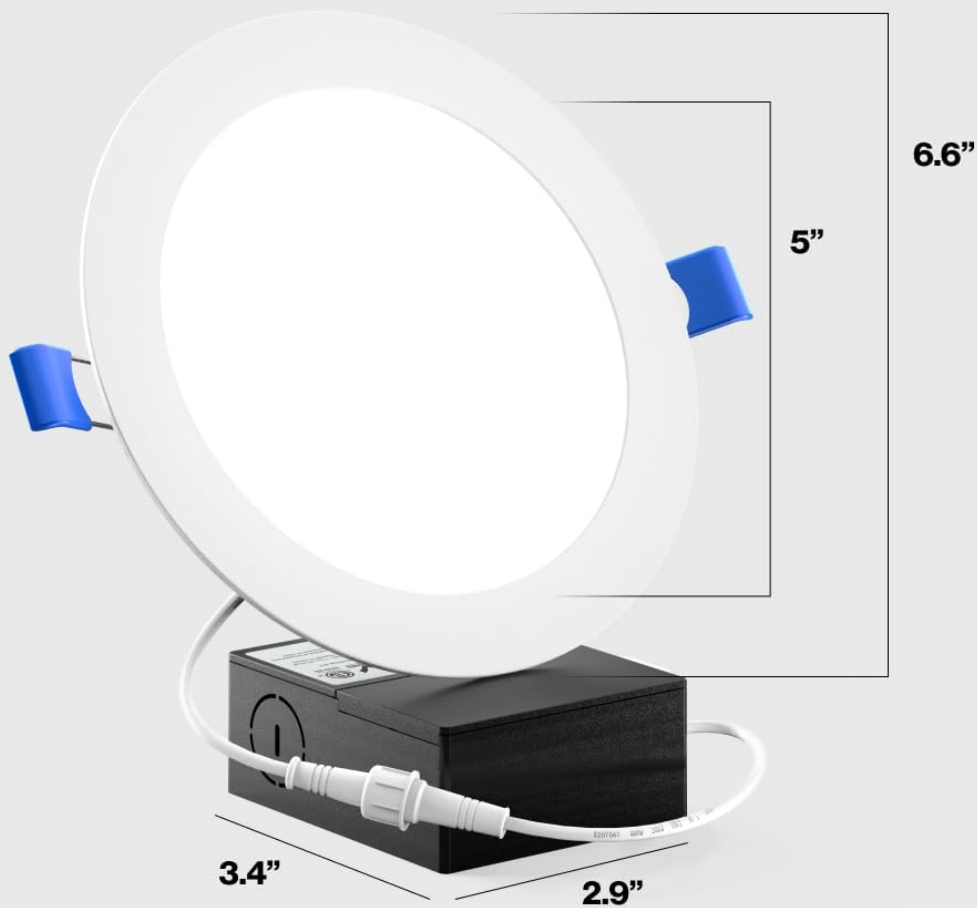


Image 3.2: Product dimensions and certifications for the Sunco Lighting 6-inch slim LED downlight.

4. OPERATING INSTRUCTIONS

Your Sunco Lighting Slim LED Recessed Downlight is designed for simple operation.

Turning On/Off:

Operate the light using a standard wall switch connected to the fixture's circuit.

Dimming Functionality:

This fixture is fully dimmable from 10% to 100% brightness. For optimal performance, use with compatible LED dimmer switches. Refer to the dimmer manufacturer's instructions for proper installation and operation.



Image 4.1: Demonstration of the dimming capabilities of the Sunco Lighting recessed downlights, from full brightness to 10% dim.

Light Color:

The fixture provides a 5000K Daylight color temperature, offering a bright and crisp white light suitable for various indoor environments.

5. MAINTENANCE

The Sunco Lighting Slim LED Recessed Downlight requires minimal maintenance.

- **Cleaning:** Ensure power is off before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use harsh chemicals or abrasive cleaners, as these may damage the finish or electrical components.
- **Bulb Replacement:** This LED fixture has a non-removable LED array and does not require bulb replacement. The estimated lifetime is 50,000 hours.
- **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.

6. 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 supply Loose wiring connection Faulty switch Damaged fixture	Check circuit breaker and wall switch. Ensure all wire connections are secure (power off first). Test switch with another device or replace. Contact customer support if fixture is damaged.
Light flickers or dims inconsistently	Incompatible dimmer switch Loose wiring Voltage fluctuations	Ensure dimmer is LED compatible. Replace if necessary. Check all wiring connections (power off first). Consult an electrician to check household voltage.
Light is not as bright as expected	Dimmer setting too low Incorrect installation	Adjust dimmer to maximum brightness. Verify correct wiring and power supply.

If the problem persists after attempting these solutions, please contact Sunco Lighting customer support.

7. PRODUCT SPECIFICATIONS

Feature	Detail
Model Number	DL_SL6-14W
Size	6 Inch
Wattage	14W (100W Equivalent)
Brightness	850 Lumens
Color Temperature	5000K Daylight

Feature	Detail
Dimmable	Yes (10%-100%)
Voltage	120 Volts
Material	Plastic
Installation Type	Flush Mount
Fixture Type	Non-Removable LED
Lifetime Hours	50,000 Hours
Certifications	ETL, Energy Star, FCC, RoHS
Product Dimensions	7"L x 1"W x 7"H
Item Weight	0.01 Ounces (per unit)

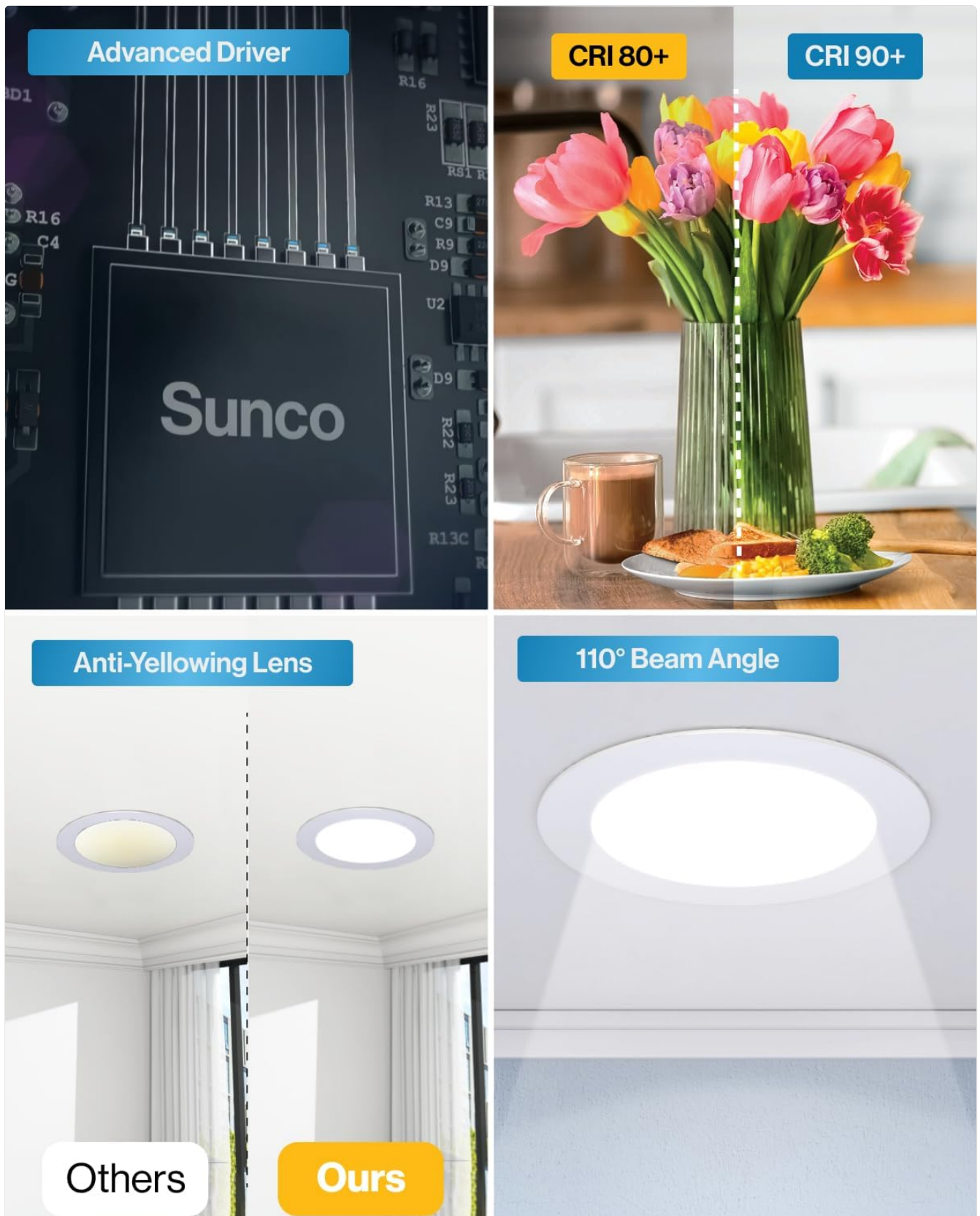


Image 7.1: Advanced features including the driver, color rendering index (CRI), anti-yellowing lens technology, and 110-degree beam angle.

8. WARRANTY AND SUPPORT

Warranty Information:

Sunco Lighting provides a 7-year manufacturer's warranty for this product, covering defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Customer Support:

For technical assistance, troubleshooting, or warranty inquiries, please contact Sunco Lighting customer support. Visit our official website for contact details or refer to the packaging for specific support information.

You can also visit the [Sunco Lighting Store on Amazon](#) for more product information and support resources.

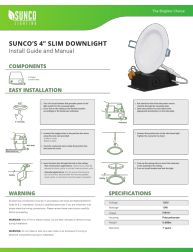
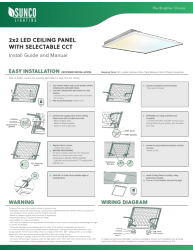

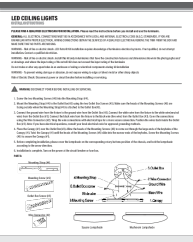
9. ABOUT SUNCO LIGHTING

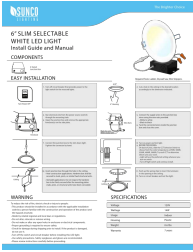

Learn more about Sunco Lighting's commitment to quality and customer satisfaction.

Video 9.1: An overview of Sunco Lighting, highlighting their product development, quality testing, and customer-focused approach.

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Related Documents - DL_SL6-14W

	<p>Sunco's 4" Slim Downlight: Installation Guide and Manual</p> <p>Comprehensive installation guide and specifications for the Sunco 4-inch Slim Downlight, detailing components, easy installation steps, safety warnings, and technical details.</p>
	<p>Sunco Lighting 2x2 LED Panel Light - Selectable CCT Installation Guide & Manual</p> <p>Comprehensive installation guide and manual for the Sunco Lighting 2x2 LED Ceiling Panel with Selectable CCT. Learn how to install recessed or suspended fixtures, wiring diagrams, safety warnings, and specifications.</p>
	<p>Sunco Lighting 2x2 LED Selectable Ceiling Panel Installation Manual</p> <p>Comprehensive installation guide for the Sunco Lighting 2x2 LED Selectable Ceiling Panel (PN22_DU-WH-4060K). Learn how to safely install and wire this energy-efficient, dimmable LED fixture with selectable wattage and color temperature options.</p>
	<p>Sunco Lighting LED Ceiling Lights Installation Guide</p> <p>Step-by-step installation instructions for Sunco Lighting LED Ceiling Lights, including safety warnings, parts list, and diagram descriptions. Learn how to safely install your new ceiling light.</p>

	<p>Sunco Lighting 6" Slim Selectable White LED Light Installation Guide</p> <p>Comprehensive installation guide and manual for the Sunco Lighting 6-inch Slim Selectable White LED Light, detailing components, step-by-step installation, safety warnings, and technical specifications.</p>
	<p>Sunco Lighting 7" Wraparound LED Fixture Installation Guide and Manual</p> <p>Detailed installation guide and manual for the Sunco Lighting 7" Wraparound LED fixture. Includes easy installation steps, keyhole installation, and specifications.</p>