

LEDVANCE 62447

LEDVANCE 16W LED Light Disk Instruction Manual

Model: 62447

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the LEDVANCE 16W LED Light Disk, Model 62447. This product is designed for both new construction and retrofit applications, offering versatile installation options and adjustable color temperature settings.

The LEDVANCE 16W LED Light Disk is a high-performance lighting solution featuring:

- Adjustable Color Temperature (CCT) from 2700K (Soft White) to 5000K (Daylight).
- Dimmable functionality for customizable light levels.
- Suitable for dry, damp, and wet conditions.
- Energy-efficient LED technology with a long operational lifetime.



Figure 1: The LEDVANCE Light Disk is suitable for dry, damp, and wet conditions, making it ideal for bathrooms and other moisture-prone areas.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation or servicing.

- Read all instructions before installing.
- Installation should be performed by a qualified electrician or trained personnel.
- Ensure the supply voltage is compatible with the fixture (120V AC).
- Do not alter or modify the fixture.
- Wear safety glasses and gloves during installation.
- Keep combustible materials away from the fixture.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- LEDVANCE 16W LED Light Disk (1 unit)

- J-box adapter
- Screw Base adapter (E26 Medium)
- Spring clips (pre-attached or included)
- Wire nuts

4. SPECIFICATIONS

Feature	Specification
Brand	LEDVANCE
Model Number	62447
Wattage	16 Watts
Brightness	1200 Lumens
Color Temperature (CCT)	2700K, 3000K, 3500K, 4000K, 5000K (Selectable)
Voltage	120 Volts
CRI (Color Rendering Index)	90
Dimmable	Yes
Wet Rated	Yes (Suitable for dry, damp, and wet conditions)
Finish Type	Frosted
Material	Aluminum, Polycarbonate
Product Dimensions	7.3"L x 7.3"W x 0.94"H
Lifetime	50,000 hours
Certifications	cETLus, RoHS, FCC, CA Title 24



Figure 2: Product Dimensions. The light disk measures 7.32 inches in diameter and 0.94 inches in height.

5. INSTALLATION

The LEDVANCE 16W LED Light Disk offers flexible installation for both recessed and surface mount applications. Always ensure power is disconnected before starting installation.

5.1. Recessed Installation (into 3" or 4" J-boxes or 5" or 6" screw-base downlights)

1. **Prepare the Fixture:** Before installation, remove the frosted lens by gently twisting or prying it off. Locate the CCT (Color Correlated Temperature) switch on the back of the fixture. Select your desired color temperature (2700K, 3000K, 3500K, 4000K, or 5000K) using this switch.
2. **Disconnect Power:** Turn off power at the circuit breaker or fuse box to the fixture location.
3. **Remove Existing Fixture:** Carefully remove the existing light fixture from the ceiling.
4. **Wiring for J-box:** If installing into a J-box, connect the fixture's wires to the J-box wiring using the provided wire nuts: black to black (live), white to white (neutral), and green/bare copper to green/bare copper (ground). Secure the J-box adapter to the J-box.
5. **Wiring for Screw-Base Downlight:** If installing into an existing screw-base downlight (5" or 6"), screw the provided E26 screw-base adapter into the existing socket. Connect the fixture's wires to the adapter's pigtails using wire nuts (black to black, white to white).
6. **Secure the Fixture:** For recessed cans, compress the spring clips on the sides of the LED Light Disk and insert the fixture into the can opening. The spring clips will expand to hold the fixture securely in place. For J-box installations, ensure the fixture is flush with the ceiling and secured to the J-box adapter.
7. **Reattach Lens:** Carefully reattach the frosted lens to the fixture by aligning and twisting it into place.
8. **Restore Power:** Turn power back on at the circuit breaker.



Figure 3: LEDVANCE 16W LED Light Disk, showing the frosted lens.



Figure 4: Icons indicating high CRI, dimmable feature, and adjustable color temperature (2700K-5000K).

5.2. Surface Mount Installation (into 3" or 4" J-boxes)

1. **Prepare the Fixture:** As with recessed installation, remove the frosted lens and select your desired CCT

using the switch on the back of the fixture.

2. **Disconnect Power:** Turn off power at the circuit breaker or fuse box to the fixture location.
3. **Prepare J-box:** Ensure the J-box is securely mounted and accessible.
4. **Wiring:** Connect the fixture's wires to the J-box wiring using the provided wire nuts: black to black (live), white to white (neutral), and green/bare copper to green/bare copper (ground).
5. **Mount the Fixture:** Align the fixture with the J-box and secure it using the provided J-box adapter and screws. Ensure the fixture is flush against the ceiling.
6. **Reattach Lens:** Carefully reattach the frosted lens to the fixture.
7. **Restore Power:** Turn power back on at the circuit breaker.

6. OPERATION

The LEDVANCE 16W LED Light Disk is designed for simple operation.

- **Power On/Off:** Control the light using a standard wall switch connected to the fixture.
- **Color Temperature Selection:** The CCT switch on the back of the fixture allows you to choose between five color temperatures (2700K, 3000K, 3500K, 4000K, 5000K). This setting must be selected prior to final installation of the lens.
- **Dimming:** This fixture is dimmable. For optimal performance, use with compatible LED dimmer switches. Refer to the dimmer manufacturer's instructions for specific wiring and operation.

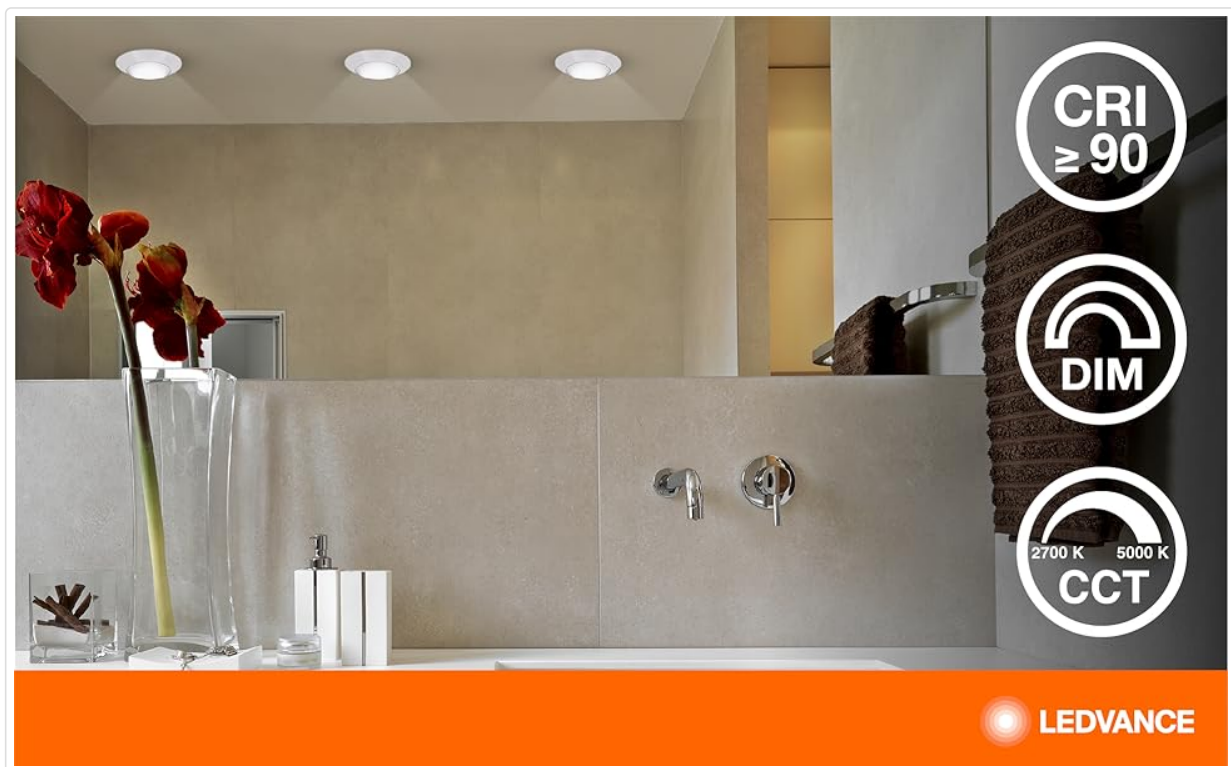


Figure 5: The LEDVANCE Light Disk provides selectable color temperature from soft white to daylight (2700K to 5000K), suitable for various room ambiances.

7. MAINTENANCE

The LEDVANCE 16W LED Light Disk requires minimal maintenance.

- **Cleaning:** Ensure power is off before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners or solvents.

- **Bulb Replacement:** The LED light source is integrated and not user-replaceable. The fixture has a long operational life of 50,000 hours.

8. TROUBLESHOOTING

If you experience issues with your LEDVANCE 16W LED Light Disk, refer to the following common problems and solutions:


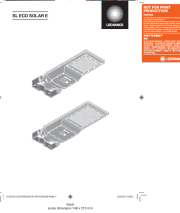
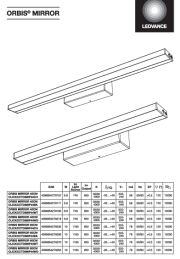

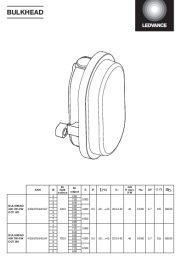
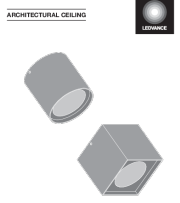
Problem	Possible Cause	Solution
Light does not turn on.	No power to the fixture. Loose wiring connection. Faulty fixture.	Check circuit breaker or fuse. Verify all wire connections are secure (ensure power is off first). If power is present and wiring is correct, the fixture may be faulty; contact support.
Light flickers or dims inconsistently.	Incompatible dimmer switch. Loose wiring.	Ensure the dimmer switch is compatible with LED fixtures. Consult the dimmer manufacturer's specifications. Check all wiring connections (ensure power is off first).
Incorrect color temperature.	CCT switch set incorrectly.	Turn off power. Carefully remove the lens and adjust the CCT switch on the back of the fixture to the desired setting. Reattach lens and restore power.

9. WARRANTY AND SUPPORT

The LEDVANCE 16W LED Light Disk is backed by a 5-year manufacturer's warranty.

- **Warranty Coverage:** This warranty covers defects in materials and workmanship under normal use.
- **Contact Support:** For warranty claims or technical assistance, please contact LEDVANCE customer support. Refer to the LEDVANCE official website for current contact information.
- **Manufacturer:** LEDVANCE

Related Documents - 62447

	<p>LEDVANCE OPTI-SELECT UFO High Bay Luminaire Installation Guide</p> <p>Detailed installation, operation, and safety guide for the LEDVANCE OPTI-SELECT UFO High Bay luminaire. Covers product features, mounting options, wiring, and troubleshooting.</p>
	<p>LEDVANCE SL ECO SOLAR E - Product Specifications and Installation Guide</p> <p>Comprehensive details on the LEDVANCE SL ECO SOLAR E series, including technical specifications, dimensions, performance data, and installation guidance for various models.</p>
	<p>LEDVANCE ORBIS Mirror: Installation Guide and Specifications</p> <p>Comprehensive installation guide and technical specifications for the LEDVANCE ORBIS Mirror lighting fixture, featuring adjustable color temperature (CCT) and dimming capabilities.</p>
	<p>LEDVANCE LMS-0.8K F2 Microinverter User Manual</p> <p>Comprehensive user manual for the LEDVANCE LMS-0.8K F2 microinverter, covering installation, operation, safety precautions, and troubleshooting for rooftop photovoltaic systems.</p>
	<p>LEDVANCE BULKHEAD 4W/7W/9W CCT WT/BK - Technical Specifications and Installation Guide</p> <p>Detailed technical specifications, dimensions, and installation instructions for the LEDVANCE BULKHEAD 4W, 7W, and 9W CCT LED lighting fixtures in White (WT) and Black (BK). Includes performance data, energy efficiency, and compliance information.</p>
	<p>LEDVANCE Architectural Ceiling Lights: Product Specifications and Installation Guide</p> <p>Detailed specifications, dimensions, and installation instructions for LEDVANCE Architectural Ceiling AR SPOT and AR CEIL series lighting fixtures. Includes technical data, electrical characteristics, and safety information.</p>

