

VOLISUN 21424ZM

VOLISUN 12-inch Dimmable Ultra-Thin LED Flush Mount Ceiling Light

Model: 21424ZM

1. SAFETY INFORMATION

Please read these instructions carefully before installation and retain them for future reference. Improper installation or use can lead to electrical shock, fire, or other hazards.

- **Turn off power:** Always disconnect power at the circuit breaker or fuse box before installing, servicing, or cleaning the fixture.
- **Qualified Electrician:** If you are unsure about electrical wiring, consult a qualified electrician.
- **Voltage:** Ensure the supply voltage is compatible with the fixture (120 Volts).
- **Class II Appliance:** This lamp is a Class II appliance and does not require a ground wire.
- **Indoor Use Only:** This fixture is designed for indoor use in dry locations.
- **Avoid Damage:** Do not handle the LED light source directly or apply excessive force to the fixture components.

2. PRODUCT OVERVIEW

The VOLISUN 12-inch Dimmable Ultra-Thin LED Flush Mount Ceiling Light offers versatile lighting solutions with its advanced features and sleek design.

Key Features:

- **5 CCT Selectable:** Choose from 3000K (Warm Yellow), 3500K (Soft White), 4000K (Neutral White), 5000K (Daylight), and 6500K (Ultra-bright White).
- **Dimmable:** Adjust brightness from 10% to 100% with compatible dimmers (not included).
- **High Brightness & Energy Saving:** 24W LED provides 2400 lumens, equivalent to a 360W incandescent fixture, saving up to 93% on energy costs.
- **Ultra-Thin Design:** With a profile of only 0.91 inches, it is ideal for low ceilings and compatible with most junction boxes.
- **Eye Protection:** Features flicker-free, blue light-free, radiation-free, and UV-free illumination for comfortable viewing. High CRI (>80) ensures realistic color rendering.

- **Wide Application:** Suitable for bedrooms, kitchens, closets, hallways, bathrooms, living rooms, garages, and other indoor spaces.

What's in the Box:

- LED Ceiling Light Fixture(s)
- Mounting Hardware (screws, wire connectors, safety chain)
- Instruction Manual



Image 2.1: The VOLISUN 12-inch LED Flush Mount Ceiling Light and its retail packaging.

Volisun



5CCT



24 Wattage



2400 lumen



Dimmable

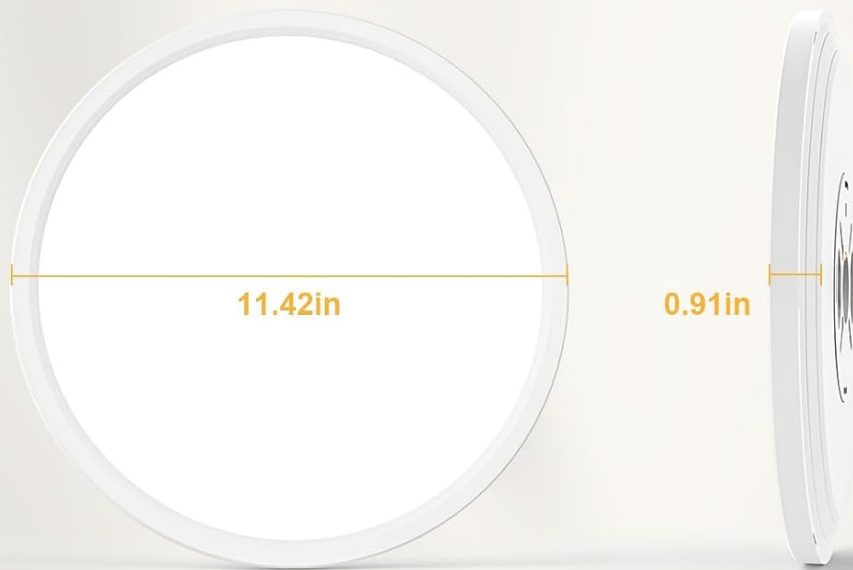


Energy Saving

Image 2.2: Visual representation of key features: 5 CCT, 24W, 2400 Lumens, Dimmable, and Energy Saving.

Ultra Slim Design

Compatible with the most junction boxes



Compatible with the most junction boxes

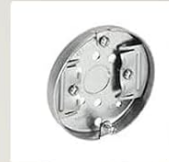


Image 2.3: The ultra-slim profile of the light fixture, measuring 11.42 inches in diameter and 0.91 inches in thickness, along with examples of compatible junction boxes.

Safety & Professional



LED Chips ★★★★★
High Brightness, High CRI(>80)



ETL Driver ★★★★★
Safety Protection



Safety chain ★★★★★
sturdy and hassle-free installation

Image 2.4: Components ensuring safety and professional performance: high brightness LED chips, an ETL certified driver, and a safety chain for secure mounting.

3. SPECIFICATIONS

Feature	Specification
Brand	VOLISUN
Model Number	21424ZM
Product Dimensions	12"L x 12"W x 0.91"H
Item Weight	2.42 Pounds
Color	White
Material	Plastic
Light Source Type	LED
Wattage	24 Watts
Brightness	2400 Lumens
Voltage	120 Volts
Color Temperature (CCT)	3000K, 3500K, 4000K, 5000K, 6500K (Selectable)
Dimmability	10% - 100% (with compatible dimmer)
Installation Type	Flush Mount
Indoor/Outdoor Usage	Indoor
Certifications	CE, ETL, FCC, UKCA

4. SETUP AND INSTALLATION

Follow these steps for a safe and proper installation. Basic tools required include a screwdriver, wire strippers, and electrical tape.

Installation Steps:

1. Step 1: Fasten the Mounting Bracket

Secure the mounting bracket to your ceiling junction box using the provided screws. Ensure it is firmly attached.

2. Step 2: Select Color Temperature (CCT)

Before connecting wires, locate the CCT selection switch inside the fixture. Choose your desired color temperature (3000K, 3500K, 4000K, 5000K, or 6500K) by sliding the switch. This setting cannot be changed externally after installation.

3. Step 3: Connect Wiring

Connect the AC power cables from your ceiling to the fixture's wires. Typically, connect the live (L) wire to the black fixture wire and the neutral (N) wire to the white fixture wire using wire connectors. Attach the safety chain from the fixture to the mounting bracket or junction box for added security.

4. Step 4: Install the Lamp

Align the fixture with the mounting bracket and rotate the lamp clockwise until it locks securely onto the base plate.

Easy Installation

Note: The lamp is **CLASS II appliance** and **doesn't** need a ground wire



Image 4.1: Visual guide for the four-step installation process, from securing the bracket to final lamp attachment.



5. OPERATING INSTRUCTIONS

Color Temperature (CCT) Selection:

The VOLISUN ceiling light features a 5 CCT selectable switch located inside the fixture. This switch allows you to choose from five different color temperatures:

- 3000K: Warm Yellow
- 3500K: Soft White
- 4000K: Neutral White
- 5000K: Daylight
- 6500K: Ultra-bright White

Important: The CCT must be selected using the manual switch **before** the fixture is fully installed and powered on. Once installed, the CCT setting cannot be changed without removing the fixture.

5 CCT in One **volisun** ✓

Free to choose the lighting ambiance you need

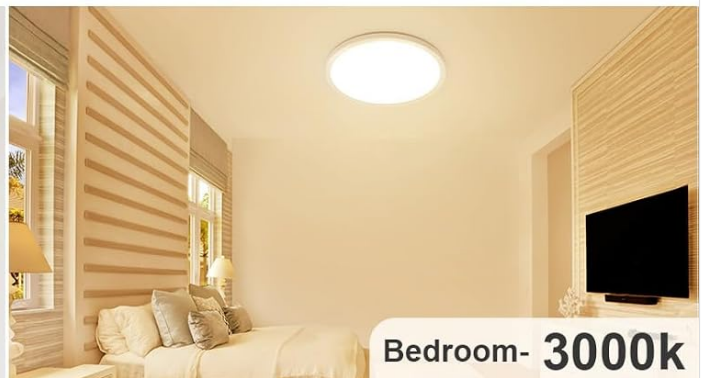
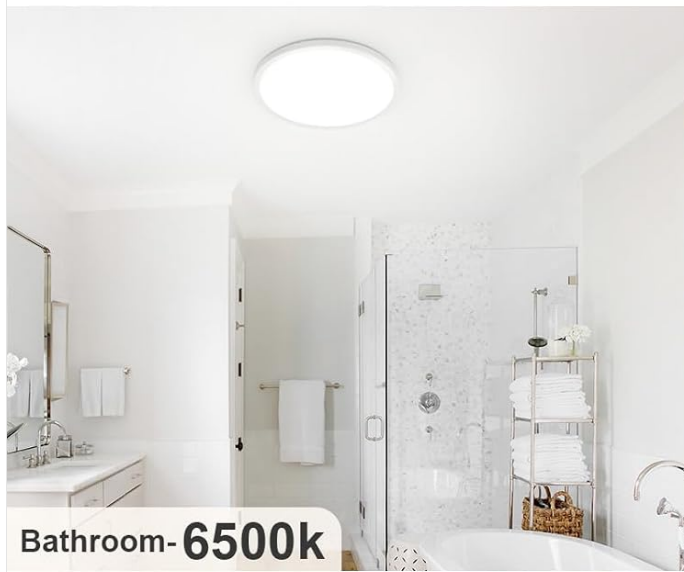
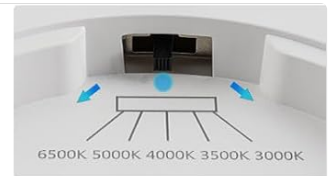


Image 5.1: Visual examples of how different CCT settings appear in various room environments.

Dimming Function:

This fixture is dimmable from 10% to 100% brightness when used with a compatible dimmer switch (not included). Ensure your dimmer switch is designed for LED lighting to avoid flickering or performance issues.

Recommended Dimmer Models:

No.	Dimmer Model	No.	Dimmer Model
1	LEVITON 6674	7	LEVITON 6633-P
2	LUTRON DVCL-153P	8	LEVITON 6613
3	LUTRON CTCL-153P	9	LEVITON 66EV
4	LUTRON MACL-153M	10	LEVITON DDE06
5	ELECTR/V/ART 40201	11	LUTRON SELV-303P

No.	Dimmer Model	No.	Dimmer Model
6	LUTRON SCL-153P	12	LUTRON DVSCEVL-300P



Image 5.2: Illustration of the stepless dimming capability and a list of recommended dimmer models for optimal performance.

6. MAINTENANCE

The VOLISUN LED ceiling light is designed for long-lasting performance with 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, abrasive cleaners, or solvents, as these can damage the finish or electrical components.
- **No User-Serviceable Parts:** The LED light source is integrated and not replaceable by the user. Do not attempt to open or repair the fixture.

7. TROUBLESHOOTING

If you encounter issues with your VOLISUN ceiling light, refer to the following common troubleshooting steps:

- **Light Does Not Turn On:**

- Check if the power supply is connected correctly and the circuit breaker is on.
- Ensure all wire connections are secure.
- Verify that the wall switch is in the 'ON' position.

- **Light Flickers or Dims Incorrectly:**

- Confirm that you are using a compatible LED dimmer switch. Incompatible dimmers can cause flickering.
- Check for loose wiring connections.

- **Incorrect Color Temperature:**

- The CCT selection switch is located inside the fixture. If the color is not as desired, you will need to turn off power, remove the fixture, and adjust the internal switch.

If these steps do not resolve the issue, please contact VOLISUN customer support.

8. WARRANTY AND SUPPORT

VOLISUN stands behind the quality of its products.

Warranty:

This VOLISUN LED ceiling light fixture comes with a **2-year service warranty**. This warranty covers any defects in materials or workmanship under normal use during the warranty period. If the LED ceiling lights stop working or exhibit defects within two years from the date of purchase, please contact our support team.

Customer Support:

For any questions, concerns, or warranty claims regarding your product, please do not hesitate to contact the VOLISUN support team. Our team is dedicated to providing 100% satisfaction service.



Image 8.1: Information on VOLISUN's professional after-sales support, 24-hour customer service, and 2-year warranty.

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