

BLNAN ALUS-LDEU-020

BLNAN Dimmable LED Flush Mount Ceiling Light Fixture

Model: ALUS-LDEU-020

1. INTRODUCTION

Thank you for choosing the BLNAN Dimmable LED Flush Mount Ceiling Light Fixture. This modern, ultra-thin ceiling lamp is designed to provide versatile lighting for various rooms, including bedrooms, kitchens, and living spaces. Featuring adjustable color temperature (3000K-6500K) and dimmable brightness, it offers a customizable lighting experience controlled conveniently via a remote. This manual provides essential information for safe installation, operation, and maintenance of your new light fixture.

2. SAFETY INFORMATION

Please read all instructions carefully before installation and use. Failure to do so may result in electric shock, fire, or other injuries that could be fatal or cause property damage.

- **Electrical Safety:** Always turn off the power at the circuit breaker or fuse box before beginning installation or performing any maintenance. Ensure the power is completely disconnected.
- **Qualified Electrician:** If you are unsure about the installation process, consult a qualified electrician.
- **Wiring:** Ensure all wiring connections are secure and comply with local electrical codes. This fixture is hardwired and not battery operated.
- **Environment:** This product is designed for indoor use only. Do not expose to water or high humidity.
- **Dimmer Switches:** This LED flush mount ceiling light is **NOT** suitable for traditional dimmer switches. It is designed to be controlled by the included remote control or a standard wall switch for color temperature cycling.
- **Remote Control:** The remote control operates using infrared (IR) technology. Aim the remote directly at the light fixture for optimal performance. The effective remote control distance is within 5 meters.
- **Fire Safety:** The fixture features a cover shell made of high-quality fire-resistant plastic for enhanced safety.

3. PRODUCT OVERVIEW

Key Features:

- **3 CCT Change & Remote Control:** Easily adjust color temperature from 3000K (warm white) to 6500K (cool white)

using the remote.

- **Dimmable Brightness:** Adjust brightness from 10% to 100% to suit various needs and moods.
- **High CRI 90+:** Provides light that closely reflects the true and original colors of objects, enhancing visual experience.
- **No Glare & No Flicker:** Unique lighting design ensures uniform, comfortable light that is gentle on the eyes.
- **Energy Efficient:** 24W LED consumes significantly less power than traditional incandescent lamps (equivalent to 240W), saving electricity costs.
- **Long Lifespan:** Designed for over 30,000 hours of operation.
- **Ultra-Slim Design:** At only 0.99 inches thick, its sleek, round shape complements modern interiors and is suitable for low ceilings.
- **Easy Installation:** Features a unique hanging cord to simplify wiring connections.
- **Built-in Anti-Leakage Settings:** Enhances safety during installation and use.

Components:

The BLNAN Dimmable LED Flush Mount Ceiling Light Fixture includes the following components:

- LED Ceiling Light Fixture (12-inch, White)
- Remote Control
- Mounting Hardware (screws, wall anchors)
- Instruction Manual



Image: The BLNAN 12-inch LED flush mount ceiling light fixture shown with its remote control, demonstrating its dimmable and color-changing capabilities.



Image: An exploded view illustrating the internal components of the BLNAN ceiling light, including the sturdy base, reflective paper, high-quality LGP (Light Guide Plate), diffusion plate, fireproof plastic shell, and 144 LED lamp beads.

4. SETUP (INSTALLATION)

This light fixture is designed for flush mount installation and requires hardwiring. Please follow these steps carefully.

1. **Turn Off Power:** Before starting, ensure the power supply to the installation area is completely turned off at the circuit breaker.
2. **Prepare Mounting Surface:** Ensure the ceiling junction box is securely installed and compatible with the fixture's mounting bracket. The fixture is compatible with various standard junction box types.
3. **Attach Mounting Bracket:** Secure the mounting bracket to the junction box using the provided screws.
4. **Connect Wiring:**
 - Identify the live (black), neutral (white), and ground (green/bare copper) wires from your ceiling.
 - Connect the corresponding wires from the fixture to the house wires using wire nuts. The fixture includes a

unique hanging cord to temporarily support the light panel, freeing your hands during wiring.

- Ensure all connections are tight and secure.

5. **Mount the Fixture:** Carefully align the fixture with the mounting bracket and secure it in place. The ultra-thin design allows for easy attachment.
6. **Restore Power:** Once the fixture is securely mounted and all connections are verified, restore power at the circuit breaker.

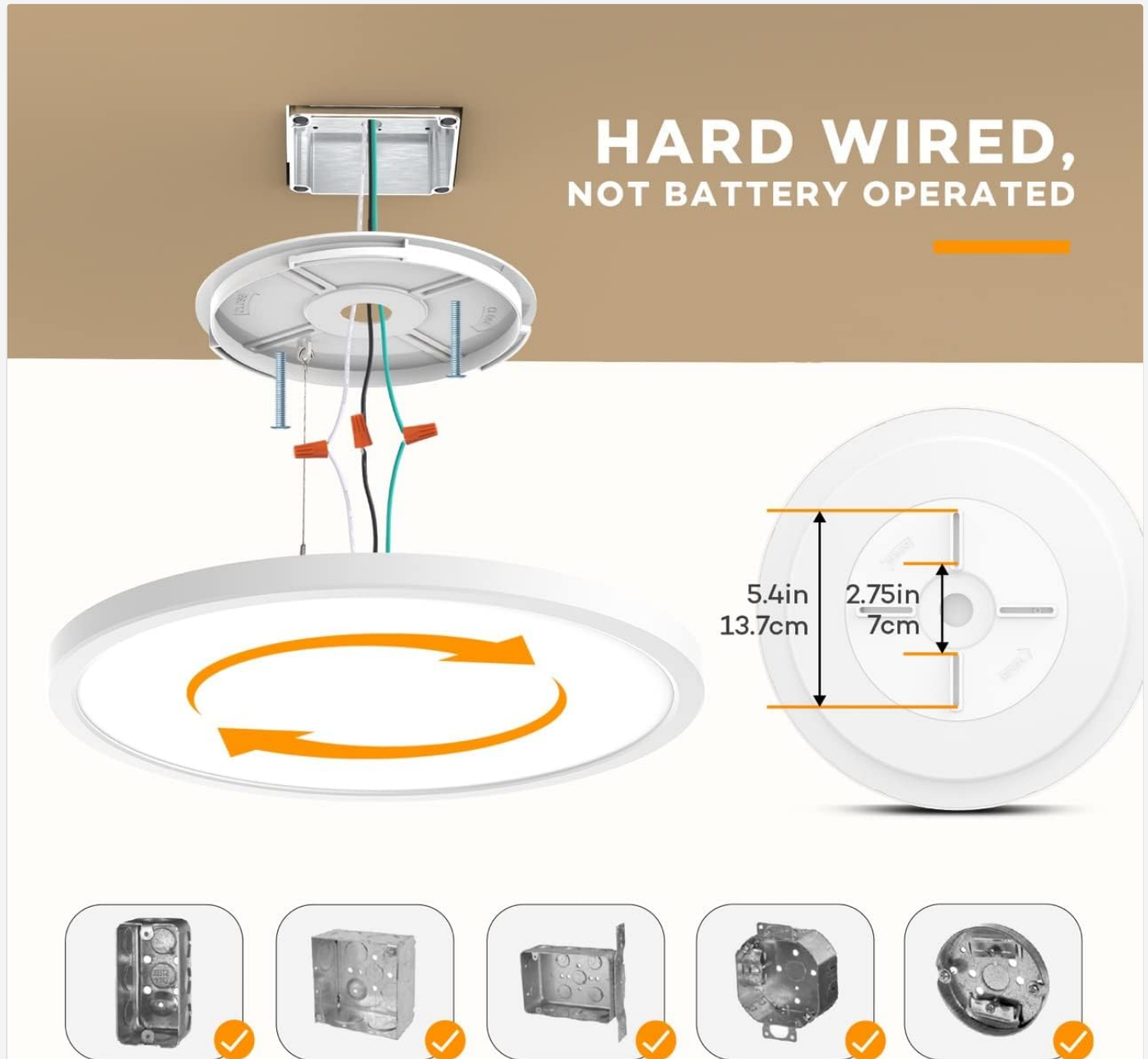


Image: Diagram showing the hardwired installation process, including wire connections and compatibility with various junction box types.

Note: The fixture is not battery operated.

5. OPERATING INSTRUCTIONS

Your BLNAN ceiling light can be operated using the included remote control or a standard wall switch.

Using the Remote Control:

The remote control provides full functionality for adjusting brightness and color temperature. Ensure the remote is aimed directly at the light fixture.



LED Panel with Backlight

Please aim the remote control at the light (infrared remote)

Not suitable for wall dimmers.

Image: A hand holding the remote control, aiming it at the ceiling light. Text indicates that the remote uses infrared and the light is not suitable for wall dimmers.

- **Power ON/OFF:** Press the **Power** button to turn the light on or off.
- **Brightness Adjustment:** Use the **Brightness +** and **Brightness -** buttons to increase or decrease the light intensity (10%-100%).
- **Color Temperature Adjustment:** Use the **Color Temperature +** and **Color Temperature -** buttons to cycle through color temperatures from 3000K (warm) to 6500K (cool).
- **CCT Toggle Button:** Press the **CCT Toggle** button to quickly switch between preset color temperatures (3000K, 4000K, 6500K).
- **Night Light Mode:** Activate the **Night Light Mode** for a soft, low-brightness light, ideal for sleeping environments. This mode also features a 30-second off-delay.
- **50% Brightness:** Press the **50%** button for instant 50% brightness.
- **Warm White (3000K):** Direct button for 3000K color temperature.
- **Cold White (6500K):** Direct button for 6500K color temperature.



Optional Color Temperature: 6500K-3000K



Dimming Range: 100%-10%

100%

75%

50%

25%

10%

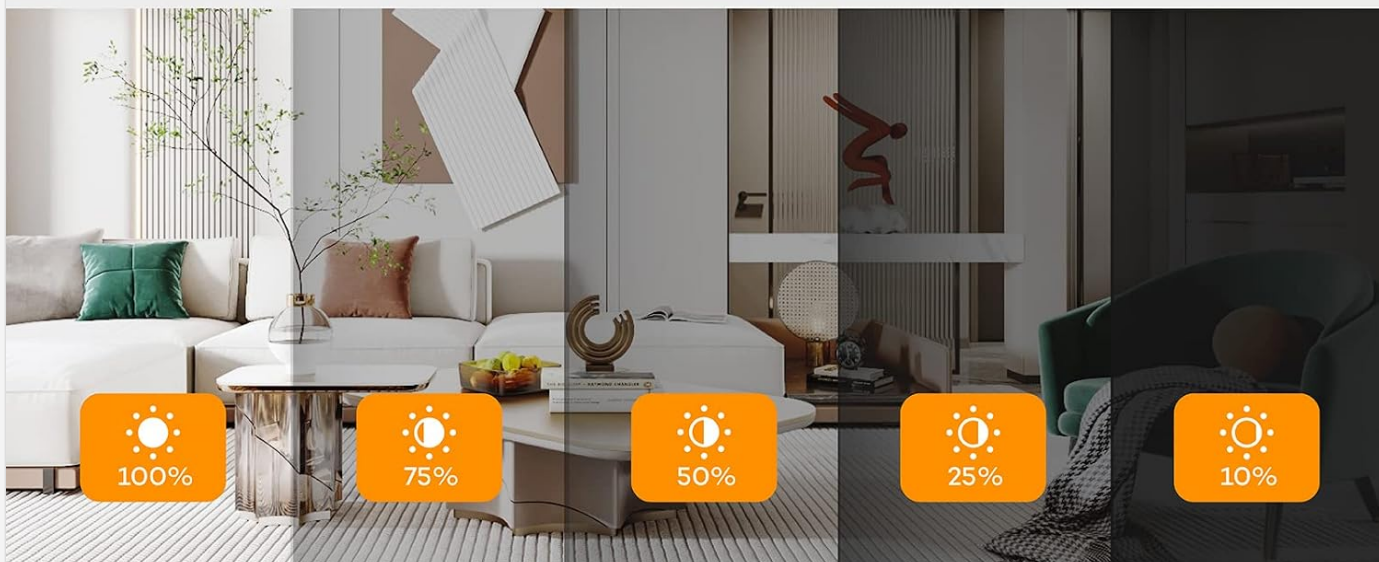
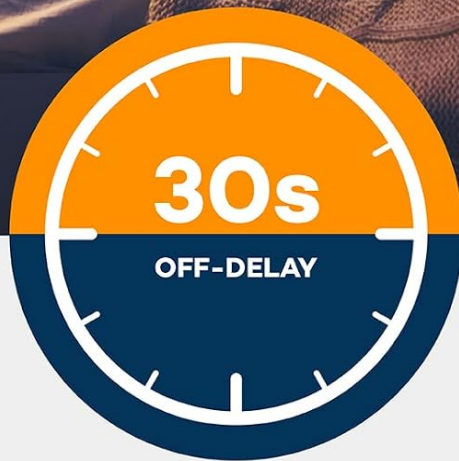
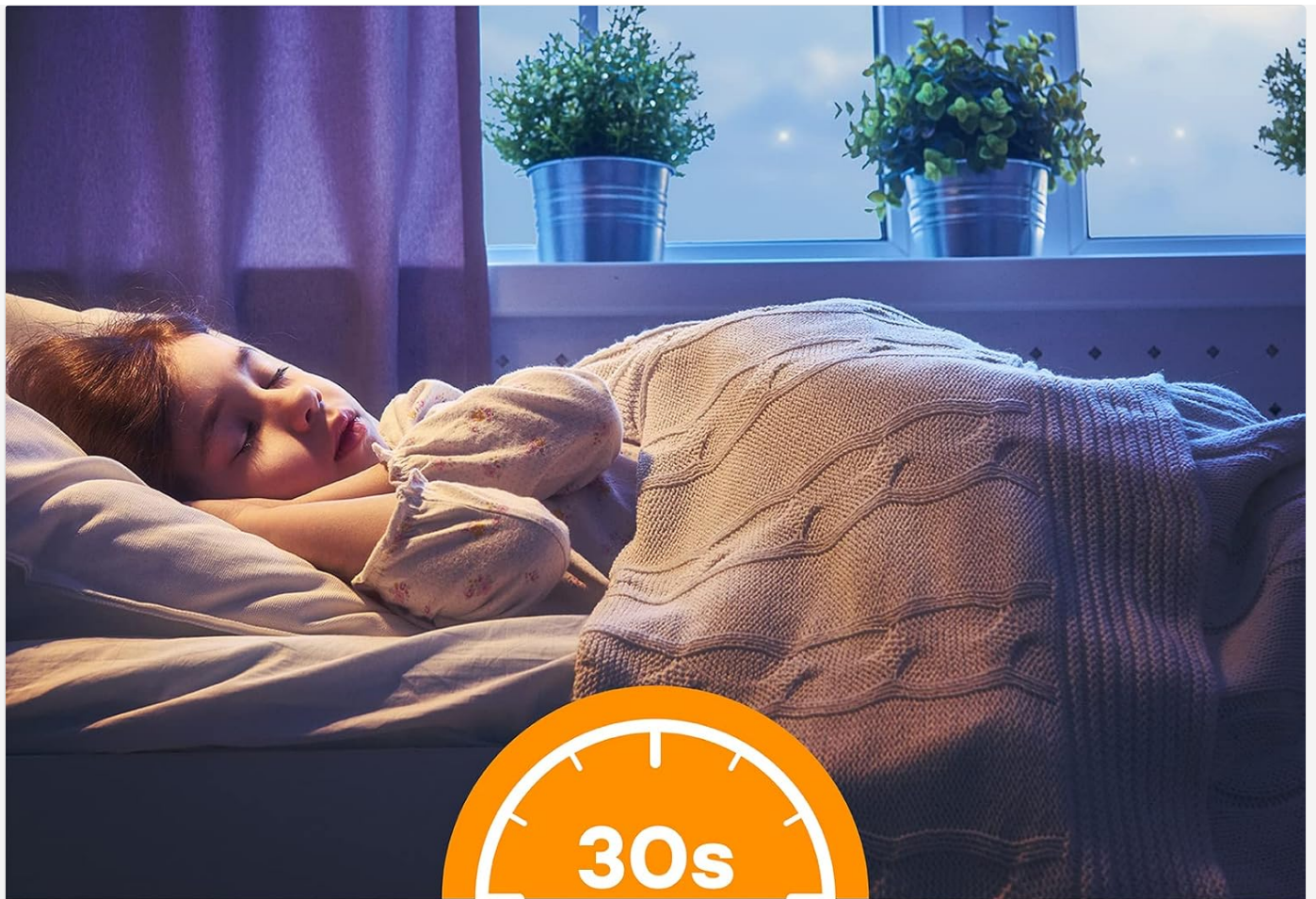


Image: Visual representation of the adjustable color temperature from 6500K to 3000K and dimming range from 100% to 10% brightness.



30s

Night Light Mode

Soft light makes you have a peaceful and sweet sleep

Image: Illustration of the 30-second off-delay Night Light Mode, designed to provide soft light for peaceful sleep.

Using a Wall Switch:

While the remote offers full control, a standard wall switch can be used to cycle through the three main color temperatures (3000K, 4000K, 6500K) by toggling the switch on and off.

6. MAINTENANCE

To ensure the longevity and optimal performance of your BLNAN ceiling light, follow these simple maintenance guidelines:

- **Cleaning:** Before cleaning, ensure the power to the fixture is turned off. Use a soft, dry, or slightly damp cloth to wipe the surface of the fixture. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or internal components.
- **Inspection:** Periodically check the fixture for any signs of damage or loose connections. If any issues are found, turn off the power immediately and consult a qualified electrician.

- **Bulb Replacement:** The LED lamp beads are integrated and designed for a long lifespan (30,000+ hours), so bulb replacement is generally not required.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; Loose wiring connection; Remote control battery dead.	Check circuit breaker; Verify wiring connections (ensure power is off first); Replace remote control battery.
Remote control not working.	Remote battery dead; Remote not aimed at fixture; Obstruction between remote and fixture.	Replace remote control battery; Ensure remote is aimed directly at the light; Remove any obstructions. Remote range is within 5 meters.
Light flickers or dims unexpectedly.	Incompatible dimmer switch (if installed); Loose wiring.	Do not use with traditional dimmer switches. This fixture is not compatible. Ensure all wiring connections are secure.
Color temperature or brightness cannot be adjusted.	Remote control issue; Light fixture malfunction.	Ensure remote control is functioning correctly (check battery, aim); If problem persists, contact customer support.

90+

HIGH CRI

Perfect visual
experience, more
real life colors

90+
CRI



80+
CRI



70+
CRI



**No Flicker &
No Harm To Eyes**

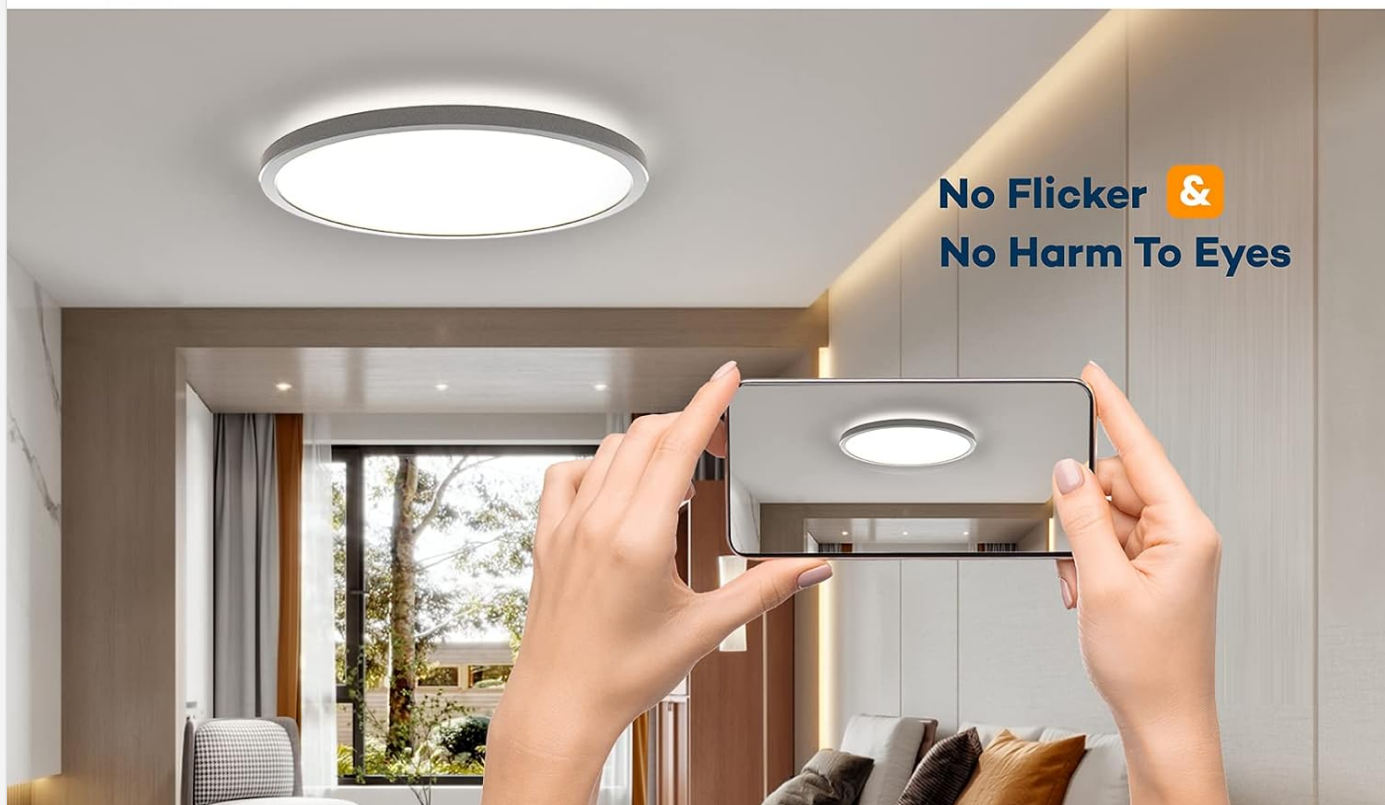


Image: Demonstrates the high CRI (Color Rendering Index) of 90+ for accurate color representation and the "No Flicker & No Harm To Eyes" feature, shown with a phone camera test.

8. SPECIFICATIONS

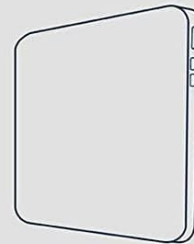
Feature	Specification
Brand	BLNAN
Model Name	LD-002 Ceiling Lights
Part Number	ALUS-LDEU-020
Color	White
Material	Plastic

Feature	Specification
Light Fixture Form	Close to Ceiling / Flush Mount
Product Dimensions	12"L x 12"W x 0.97"H (11.81 x 11.81 x 0.98 inches)
Item Weight	1.5 Pounds
Power Source	Corded Electric
Wattage	24 Watts
Brightness	2400 Lumen
Light Color / Color Temperature	3000K - 6500K (Adjustable)
Color Rendering Index (CRI)	90+
Control Method	Remote Control
Special Features	Brightness Adjustable (10-100%), Color Temperature Adjustable (3000-6500K), Remote Control, Wall Switch Only Changes CCT. Not suitable for wall dimmers.
Average Life	30000 Hours
Indoor/Outdoor Usage	Indoor

Unique Slim Flat Design



LS-CL-G24W-Dim



Macbook



ipad

Image: A person holding the BLNAN ceiling light, highlighting its unique slim and flat design with dimensions of 11.8 inches diameter and 0.99 inches thickness.

9. WARRANTY AND SUPPORT

BLNAN is committed to providing high-quality products and customer satisfaction.

- **Warranty:** For information regarding the product warranty, please refer to the warranty card included in your product packaging or contact BLNAN customer support directly.
- **Customer Support:** If you have any questions, concerns, or require technical assistance, please contact BLNAN customer service. You can find contact information on the BLNAN official website or through your purchase platform.
- **Online Resources:** Visit the official BLNAN store for more product information and support: [BLNAN Store](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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.

Submit question