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SANSI C21BB006-V0027A12

SANSI A21 LED Light Bulb User Manual

Model: C21BB006-V0027A12

1. Introduction

Thank you for choosing the SANSI A21 LED Light Bulb. This manual provides essential information for the safe and efficient use of your new LED bulb. This 27W LED bulb is designed to provide 4000 lumens of 3000K soft warm light, offering an energy-efficient alternative to 250W incandescent bulbs. It features patented ceramic technology for enhanced heat dissipation and a flicker-free design for visual comfort.

2. Safety Information

- **Read all instructions before installation.**
- **Risk of electric shock:** Disconnect power before installation or servicing.
- **Not for use with dimmers:** This bulb is non-dimmable. Using it with a dimmer switch may cause damage to the bulb or the dimmer.
- **Not suitable for completely enclosed fixtures:** The hollow design promotes heat dissipation; enclosed fixtures may shorten bulb lifespan.
- **Operating temperature:** Ensure the operating environment is within the specified temperature range.
- **Indoor/Outdoor Use:** Suitable for both indoor and outdoor use, provided the fixture is protected from direct water exposure.
- **Lamp body material:** Made of special ceramic material with flame retardant grade V0 for safety.

3. Product Features

- **High Efficiency:** Provides 4000 lumens with only 27W power consumption, equivalent to a 250W incandescent bulb.
- **Flicker-Free Design:** Utilizes a high-quality IC driver chip and optical lenses to ensure a stable, flicker-free light output, promoting a comfortable visual environment.
- **Patented Ceramic Technology:** Features a non-conductive ceramic heat sink with LED chips directly soldered, reducing thermal resistance for faster heat conduction and higher product reliability.

- **Durable and Safe:** Constructed with V0 flame-retardant ceramic material and reinforced insulation. The entire shell material meets WF2 anti-corrosion grade.
- **Long Lifespan:** Designed for a 25,000-hour lifetime.
- **Standard Base:** E26 base for easy installation in standard light fixtures.

Figure 1: Exploded view of SANSI A21 LED bulb components, highlighting the E26 socket, hollow design, IC driver chip, ceramic heat sink, 144 LED chips, and high light transmission optical lens.



Figure 2: Comparison table illustrating the benefits of SANSI's patented ceramic technology, including super-long lifespan, lower energy costs, energy-saving, better heat dissipation, and anti-corrosion ceramic material.

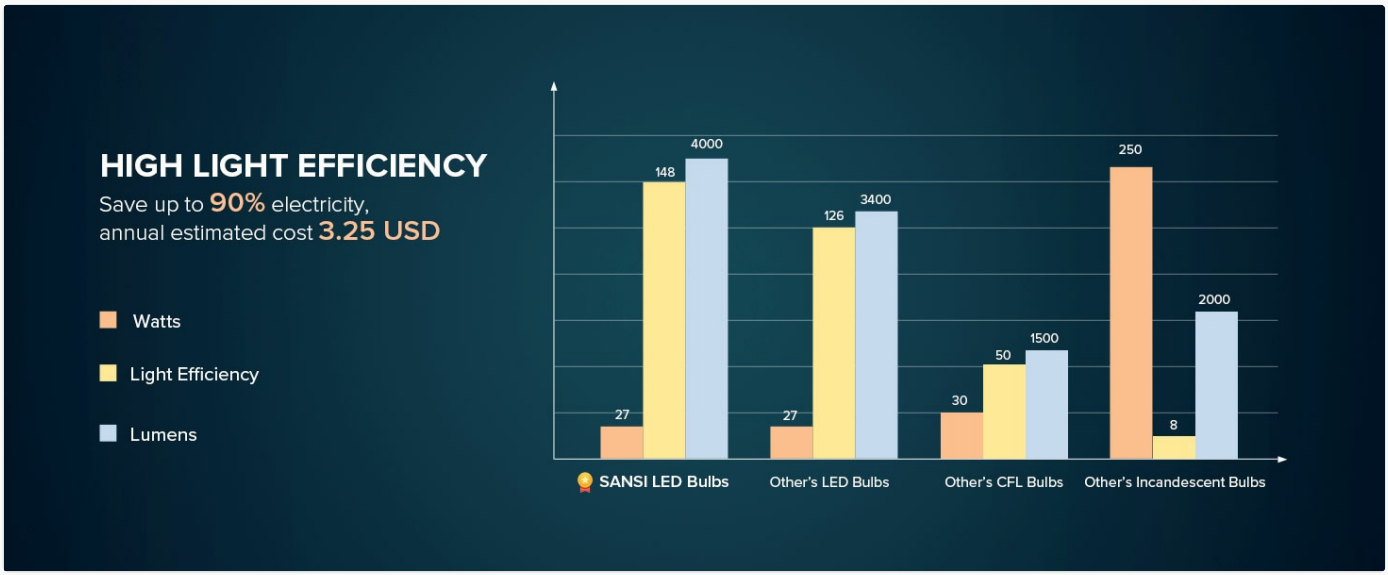


Figure 3: Visual comparison demonstrating the flicker-free operation of the SANSI LED bulb, contrasting it with a flickering bulb that can cause eye fatigue.

4. Setup and Installation

1. **Power Off:** Before replacing any light bulb, ensure the power to the fixture is turned off at the circuit breaker or wall switch.
2. **Cool Down:** Allow the old bulb to cool completely before removing it.
3. **Remove Old Bulb:** Carefully unscrew the old bulb from the fixture.

4. **Install New Bulb:** Gently screw the SANSI A21 LED bulb into the E26 base socket until it is snug. Do not overtighten.
5. **Power On:** Restore power to the fixture.

Note: This bulb is larger than a standard A21 bulb. Please check your lampshade or fixture size before installation to ensure proper fit and adequate ventilation.

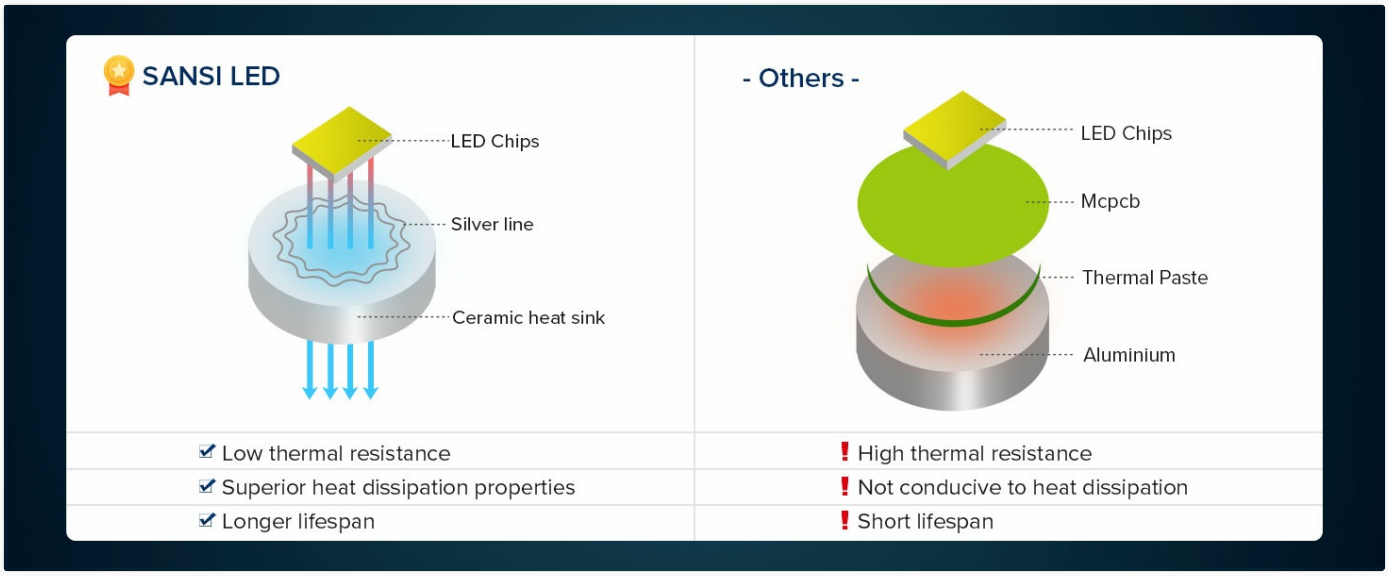


Figure 4: Size comparison of SANSI A21 LED bulb (4.96 in / 12.59 cm height, 3.03 in / 7.69 cm width) with a standard A21 bulb (4.88 in / 12.4 cm height, 2.64 in / 6.7 cm width).

5. Operating Instructions

The SANSI A21 LED Light Bulb operates like a standard light bulb. Once installed in a compatible E26 socket and power is supplied, it will illuminate. This bulb is **non-dimmable** and should not be used with dimmer switches. It is designed for instant-on full brightness.

Recommended Usage Areas:

This 4000 lumen, 3000K soft warm bulb is suitable for areas requiring bright, comfortable illumination.



Figure 5: Diagram illustrating recommended lumen levels for various room types, such as Kitchen (3000-4000 lumens), Workspace (8000-10000 lumens), Living Room (1000-2000 lumens), Bedroom (1000-2000 lumens), Bathroom (7000-8000 lumens), Entry/Stairs (1200-4000 lumens), and Dining Room (3000-4000 lumens).

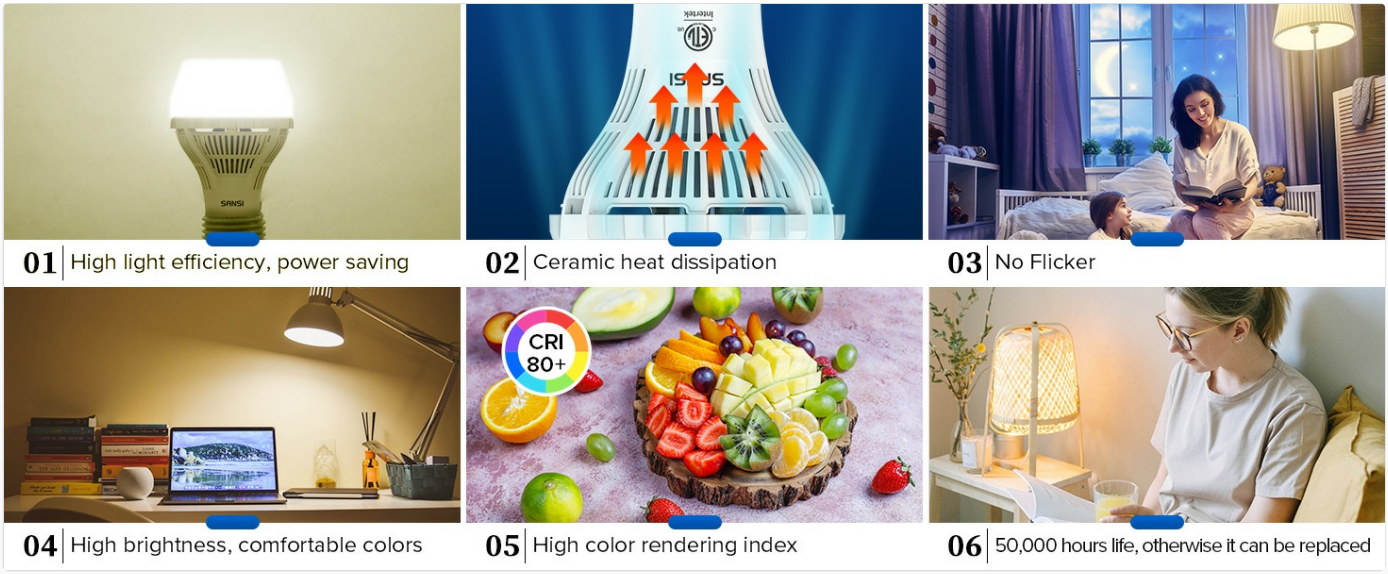


Figure 6: Examples of SANSI LED bulb applications in various home and office settings, including table lamps, floor lamps, pendant lights, wall lights, bedrooms, dining rooms, kitchens, and offices.

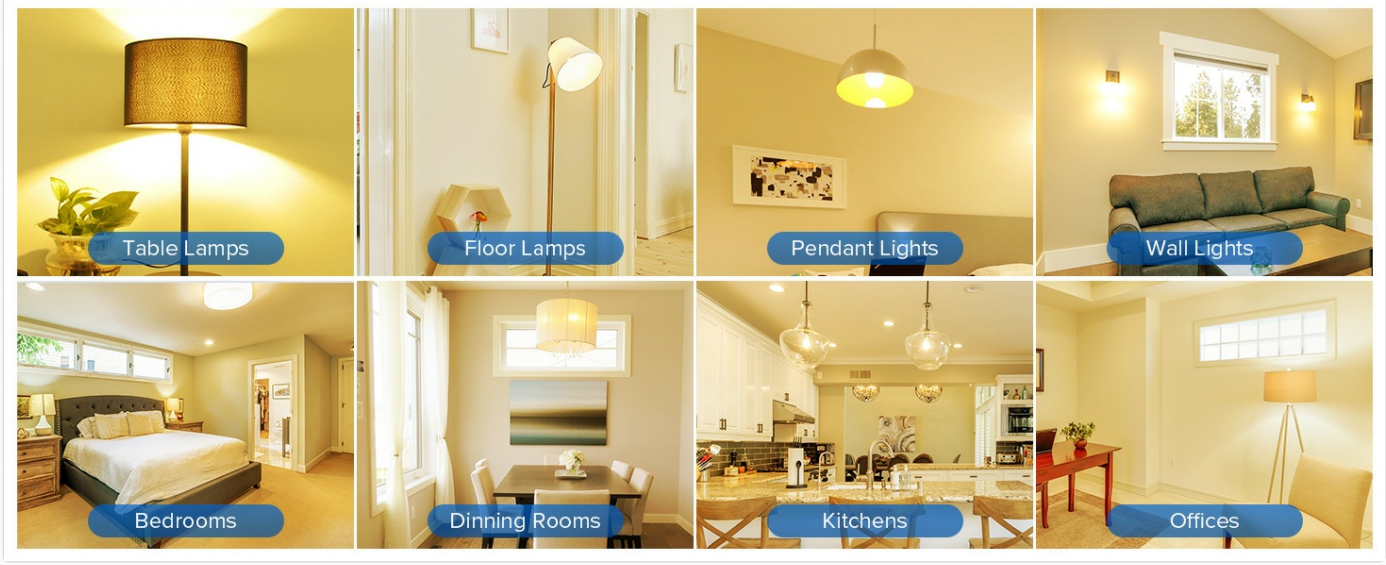


Figure 7: Color temperature chart explaining the effects on colors and typical applications for different Kelvin ratings, ranging from Cool White (6000K) to Extra Warm (2500K).

6. Maintenance

- **Cleaning:** Ensure the power is off and the bulb is cool before cleaning. Wipe the bulb with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Replacement:** Replace the bulb when it reaches the end of its lifespan or if it becomes damaged. Always ensure the power is off before replacing.
- **Storage:** If storing the bulb, keep it in its original packaging in a cool, dry place.

7. Troubleshooting

Problem	Possible Cause	Solution
Bulb does not light up	No power to the fixture; Loose connection; Faulty bulb.	Check power supply/switch; Tighten bulb in socket; Replace bulb if faulty.

Problem	Possible Cause	Solution
Bulb flickers	Used with a dimmer switch; Loose connection; Incompatible fixture.	Remove from dimmer circuit (this bulb is non-dimmable); Tighten bulb; Ensure fixture is compatible.
Bulb lifespan is shorter than expected	Used in an enclosed fixture; High ambient temperature.	Ensure adequate ventilation around the bulb; Use in open fixtures.

8. Specifications

Feature	Detail
Brand	SANSI
Model Number	C21BB006-V0027A12
Light Type	LED
Wattage	27 Watts
Incandescent Equivalent	250 Watts
Brightness	4000 Lumens
Color Temperature	3000 Kelvin (Soft Warm)
Bulb Shape Size	A21
Bulb Base	E26
Voltage	110 Volts (Accepted: 100 to 120 Volts)
Frequency	60 Hertz
Dimmable	No
Lifespan	25,000 Hours
Color Rendering Index (CRI)	80.00
Beam Angle	360 Degrees
Material Type	Ceramic
Indoor Outdoor Usage	Indoor, Outdoor
Certification	ETL Listed
Item Weight	0.53 Kilograms
Item Dimensions (W x H)	3.03"W x 4.96"H

9. Warranty and Support

SANSI provides a **5-year protection plan** for this product. For warranty claims or technical support, please contact SANSI

customer service. Refer to the product packaging or the official SANSI website for contact details.

10. Media Gallery

Product Videos

SANSI 2-Pack High Lumen LED Light Bulbs Series

Your browser does not support the video tag.

This video provides an overview of the SANSI 2-Pack High Lumen LED Light Bulbs Series, demonstrating different wattage options (35W, 27W, 22W) and color temperatures (5000K, 3000K) in various room settings. It also highlights the size comparison between SANSI A19 and A21 bulbs, and other A21 bulbs.

3000K 4000 Lumens Brightest Light Bulb

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This video showcases the SANSI 3000K 4000 Lumens LED light bulb, detailing its internal components, patented ceramic technology for heat dissipation, energy efficiency compared to incandescent bulbs, and flicker-free operation. It also illustrates various applications and benefits of the bulb.

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