

[Manuals.plus](#) /

› [ALIDE](#) /

› ALIDE G4 LED Bulbs 12V 2W 2700K Warm White Instruction Manual

ALIDE ALDG4102

ALIDE G4 LED Bulbs Instruction Manual

Model: ALDG4102

1. PRODUCT OVERVIEW

The ALIDE G4 LED Bulbs are designed as energy-efficient replacements for traditional 10W-20W G4 halogen bulbs. These 2W LED bulbs operate on AC/DC 12-24V, providing 220 lumens of 2700K warm white light. They feature a standard G4 bi-pin base, making them suitable for various applications including under cabinet lighting, chandeliers, accent lights, track lighting, RVs, boats, and outdoor landscape lighting.

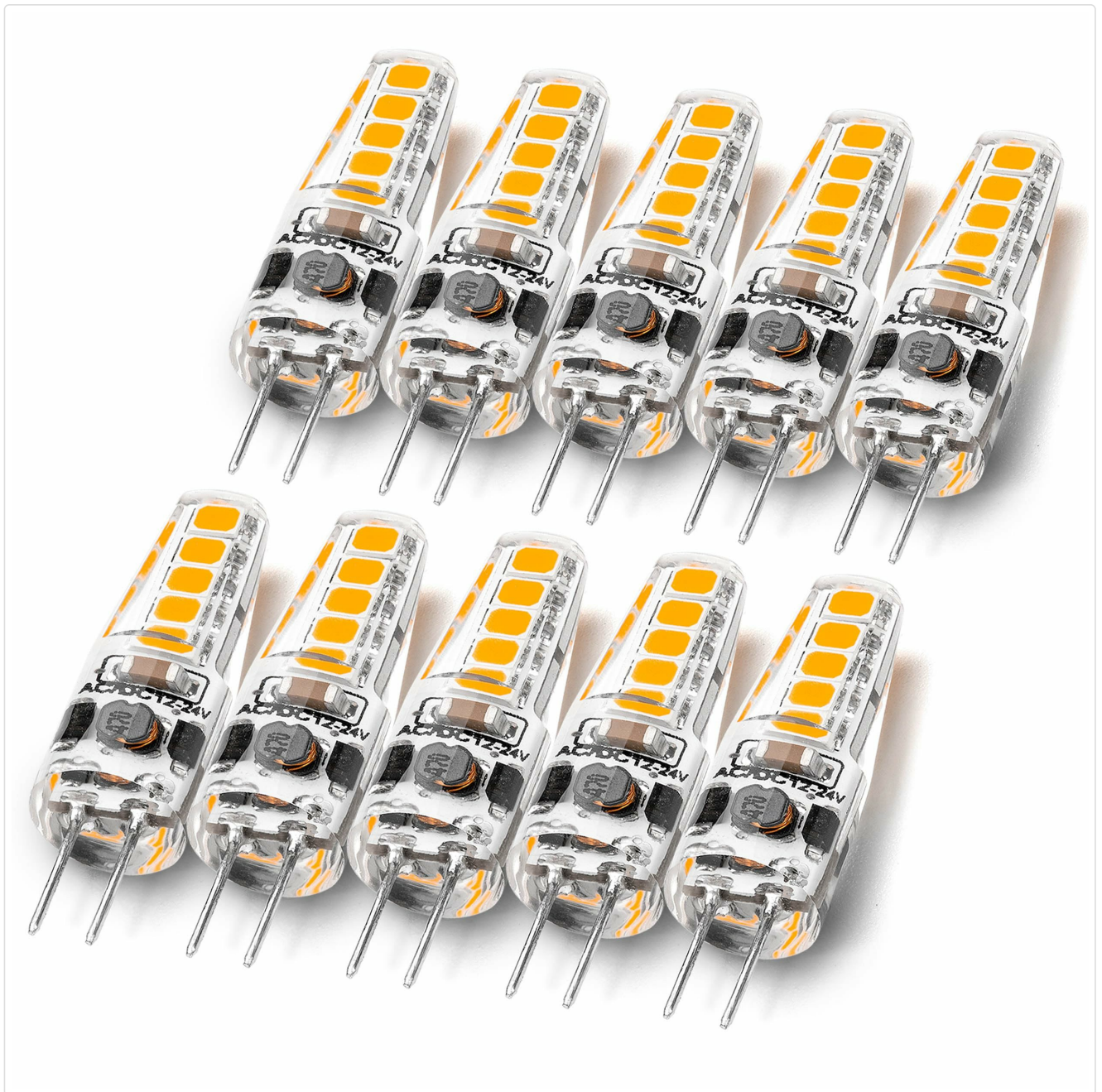


Image 1.1: ALIDE G4 LED Bulb, 2700K Warm White.



Image 1.2: Compact size of the ALIDE G4 LED Bulb.

2. INSTALLATION AND SETUP

2.1 Safety Precautions

- Ensure power is turned off at the circuit breaker before installation to prevent electric shock.
- Do not touch the bulb with wet hands.
- These bulbs are non-dimmable. Do not use with dimmer switches, as this may cause flickering or damage to the bulb.
- Verify the fixture's voltage compatibility (AC/DC 12-24V) before installation.

2.2 Checking Compatibility

Before installing, confirm that your fixture has a standard G4 bi-pin base and operates within the 12-24V AC/DC range. The bulb dimensions are approximately 10mm (0.39 inches) in width and 37mm (1.45 inches) in height. Ensure sufficient space within your fixture.

& Please check the size of your fixtures before purchase
It is standard **G4** base.

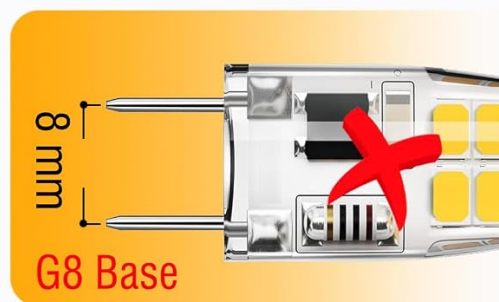
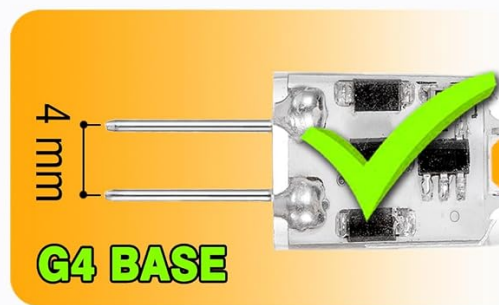
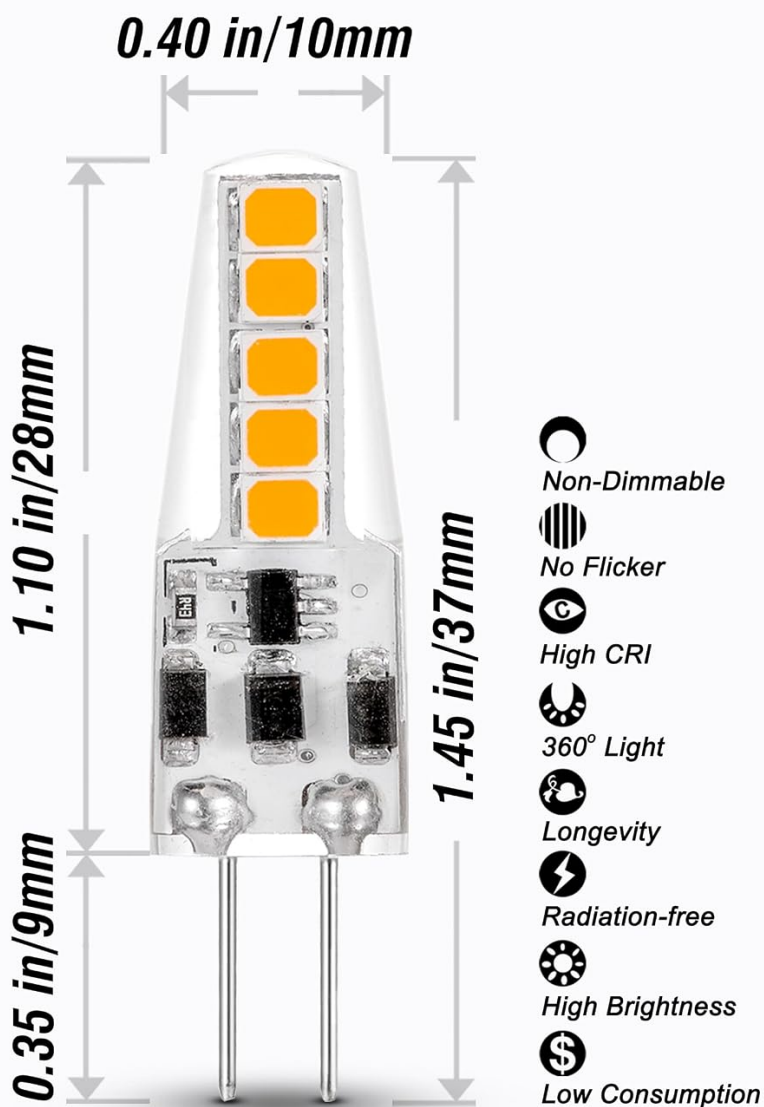


Image 2.1: G4 LED Bulb dimensions and compatible base types. Ensure your fixture uses a G4 base.

2.3 Installation Steps

1. Turn off the power to the light fixture at the main circuit breaker.
2. Carefully remove the existing bulb from the G4 bi-pin socket.
3. Insert the two pins of the ALIDE G4 LED bulb into the corresponding holes of the G4 socket. Apply gentle, even pressure until the bulb is securely seated.
4. Restore power to the fixture and test the new LED bulb.

3. OPERATING INSTRUCTIONS

These ALIDE G4 LED bulbs are designed for straightforward operation. Once installed correctly and power is supplied, they will illuminate instantly.

- **Voltage Range:** The bulbs are compatible with AC/DC 12-24V systems, offering flexibility for various low-voltage applications.
- **Non-Dimmable:** These bulbs are not designed for use with dimmer switches. Using them with a dimmer may

lead to flickering, buzzing, or premature failure.

- **Light Quality:** The 2700K warm white light provides a soft, comfortable illumination with a Color Rendering Index (CRI) of 85Ra, ensuring accurate color representation.
- **Flicker-Free:** Engineered with stable electronic components, these bulbs are designed to provide flicker-free lighting, reducing visual fatigue.



Image 3.1: Demonstration of flicker-free operation, enhancing visual comfort.



Image 3.2: Example of ALIDE G4 LED Bulbs in an RV setting.

4. MAINTENANCE

ALIDE G4 LED bulbs are designed for long-term, low-maintenance operation. They feature a lifespan of approximately 20,000 hours.

- **Cleaning:** If cleaning is necessary, ensure the power is off and the bulb is cool. Gently wipe the bulb with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Heat Dissipation:** The bulbs are designed to run cool, minimizing heat output compared to halogen bulbs. Ensure adequate ventilation around the fixture for optimal performance and longevity.
- **Replacement:** When the bulb reaches the end of its lifespan, replace it following the installation steps in Section 2.3.

5. TROUBLESHOOTING

If you encounter issues with your ALIDE G4 LED bulbs, refer to the following common problems and solutions:

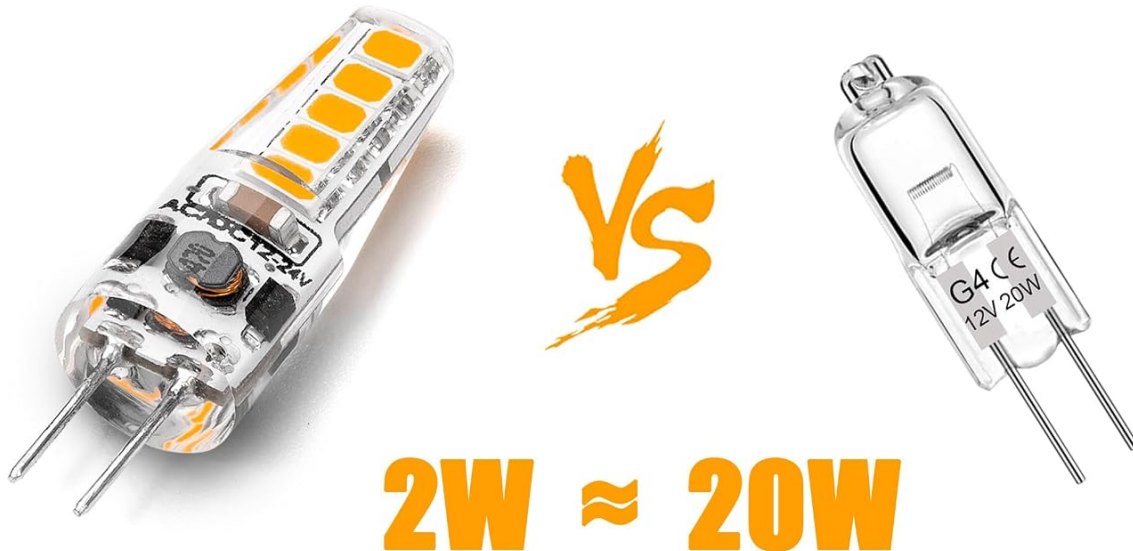
Problem	Possible Cause	Solution
Bulb does not light up	No power to the fixture; Bulb not seated correctly; Incorrect voltage; Damaged bulb.	Check circuit breaker. Ensure bulb pins are fully inserted into the socket. Verify fixture voltage is 12-24V AC/DC. Replace bulb if damaged.
Bulb flickers or buzzes	Used with a dimmer switch; Incompatible transformer; Loose connection.	Remove dimmer switch. Ensure transformer is compatible with LED bulbs. Re-seat the bulb firmly in the socket.
Bulb is too dim or too bright	Incorrect bulb wattage for application; Voltage fluctuation.	Ensure the 2W bulb is appropriate for your lighting needs. Verify stable voltage supply.
Bulb does not fit in fixture	Incorrect base type; Insufficient space.	Confirm fixture requires a G4 bi-pin base. Check bulb dimensions against fixture space (10x37mm).

6. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	ALIDE
Model Number	ALDG4102
Light Type	LED
Bulb Base	G4 Bi-Pin
Wattage	2 Watts
Incandescent Equivalent	10W-20W Halogen
Luminous Flux	220 Lumens
Color Temperature	2700 Kelvin (Warm White)
Voltage	AC/DC 12-24V
Color Rendering Index (CRI)	85Ra
Beam Angle	360 Degrees
Lifespan	20,000 Hours
Dimmable	No (Non-Dimmable)
Material	Silicon
Dimensions (W x H)	10mm x 37mm (0.39" x 1.45")
Indoor/Outdoor Usage	Outdoor (Suitable for various applications)
Included Components	10pcs G4 LED Bulbs

Alide G4 Led

Traditional G4 halogen



<u>G4 Base</u>	Socket	<u>G4 Base</u>
<u>AC/DC12-24V</u>	Voltage	<u>DC12V</u>
<u>2W & 2700K</u>	CCT	<u>20W & 2700K</u>
<u>Non-Dimmable</u>	Wattage	<u>Non-Dimmable</u>
<u>No Flicker</u>	Characteristic	<u>Flicker</u>
<u>220 LM</u>	Lumens	<u>250 LM</u>
<u>Cool</u>	lifespan	<u>Hot</u>
<u>30,000H</u>	Heat	<u>2,000H</u>
1pcs G4 Led		10pcs G4 halogen

Image 6.1: Comparison of ALIDE G4 LED bulb specifications against traditional halogen bulbs.

7. WARRANTY INFORMATION

ALIDE G4 LED Bulbs come with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and product malfunctions under normal use. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage resulting from improper installation, misuse, modification, or use with incompatible devices (e.g., dimmer switches).

8. CUSTOMER SUPPORT

For any questions, concerns, or technical assistance regarding your ALIDE G4 LED Bulbs, please contact ALIDE customer support. Refer to the seller's contact information on your purchase platform for direct assistance.

We are committed to providing high-quality products and excellent after-sales service.

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