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› ALIDE MR16 LED Bulbs User Manual

ALIDE ALD1128D

ALIDE MR16 LED Bulbs User Manual

Brand: ALIDE

Model: ALD1128D

5W MR16 LED Bulbs - Warm White 2700K, 12V Low Voltage

1. PRODUCT OVERVIEW

The ALIDE MR16 LED Bulbs are designed as energy-efficient replacements for traditional 20W-35W halogen bulbs. They feature a standard MR16 shape with a GU5.3 bi-pin base, operating on 12V AC/DC low voltage. These bulbs provide a soft warm white light at 2700K with a 38-degree beam angle, making them suitable for various indoor and outdoor lighting applications.



Figure 1: ALIDE MR16 LED Bulbs (6-pack)

Key Features:

- **Energy Saving:** 5W LED replaces 20W-35W halogen, saving up to 90% on electricity bills.
- **Easy Installation:** Standard MR16 shape (Dia1.97*1.89inch) with GU5.3 bi-pin base.
- **Long Lifespan:** Over 30,000 hours, thanks to 100% aluminum reflector and high-quality driver for good heat dissipation.
- **Healthy Lighting:** High CRI 80Ra, 2700K soft warm white color, no UV, no noise, no flickering, no heat.
- **Wide Applications:** Suitable for kitchen track lights, recessed lights, ceiling lights, accent lighting, and outdoor landscape flood light fixtures (AC/DC10-18V).

2. SPECIFICATIONS

Specification	Value
Brand	ALIDE
Light Type	LED
Wattage	5 Watts
Incandescent Equivalent	35 Watts
Bulb Shape Size	MR16
Bulb Base	GU5.3
Voltage	12 Volts (AC/DC10-18V)
Light Color	Warm White
Color Temperature	2700 Kelvin
Brightness	450 Lumen
Color Rendering Index (CRI)	80Ra
Beam Angle	38 Degrees
Dimmable	No
Material	Aluminum
Product Dimensions	1.97"W x 1.89"H (50mm x 48mm)
Lifespan	30,000+ hours

3. SETUP AND INSTALLATION

These MR16 LED bulbs are designed for easy replacement of existing halogen bulbs. Follow these steps for proper installation:

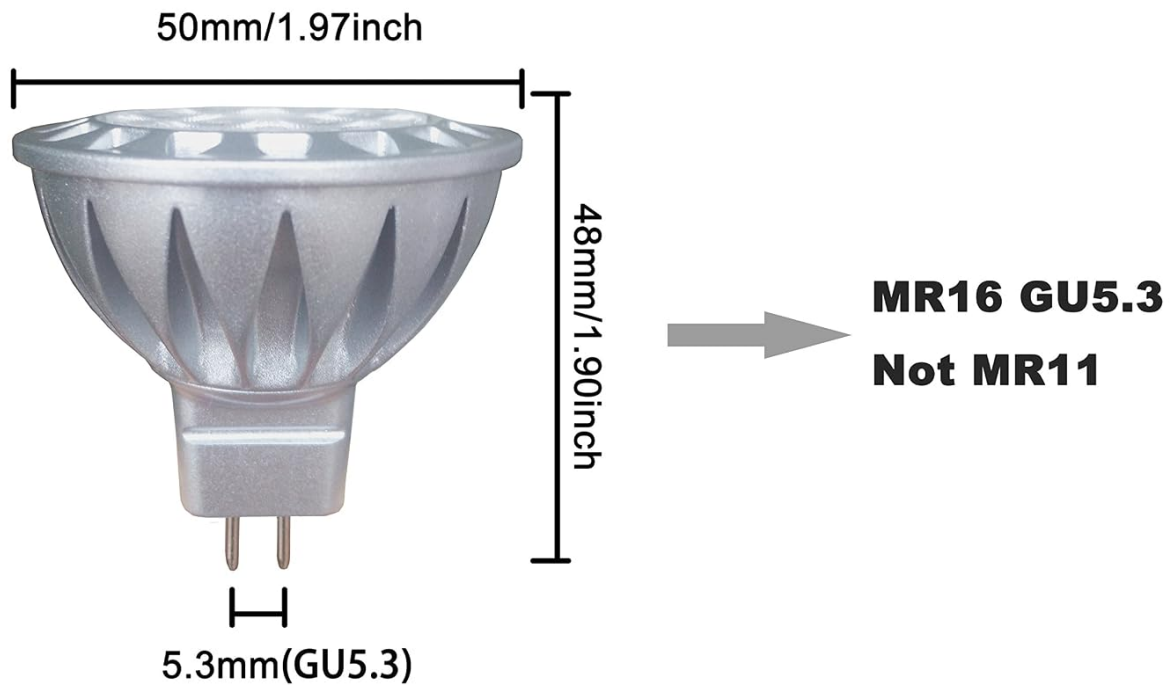
- 1. Ensure Power is Off:** Before installation, always turn off the power to the light fixture at the circuit breaker to prevent electrical shock.
- 2. Remove Old Bulb:** Carefully remove the existing MR16 halogen bulb from its GU5.3 socket.
- 3. Insert New LED Bulb:** Align the two pins of the ALIDE MR16 LED bulb with the holes in the GU5.3 socket. Gently push the bulb into the socket until it is securely seated.
- 4. Restore Power:** Once the bulb is securely installed, restore power to the fixture.

Important Considerations:

- Voltage Compatibility:** These bulbs operate on 12V AC/DC. If your current lighting system uses AC100-240V, you **MUST** use a 12V transformer. Connecting directly to higher voltage will damage the bulb.
- Size Verification:** Ensure you are replacing a 1.97-inch (50mm) diameter MR16 bulb, not a smaller 1.38-inch (35mm) diameter MR11 lamp.

- **Heat Dissipation:** Do not use these bulbs in totally enclosed luminaires, especially for outdoor landscape lighting. Good heat dissipation is crucial for ensuring a long lifespan.

Product information



- | | |
|-----------------------------------|----------------------------|
| 1. Voltage: AC/DC12V | 6. Size: 50*48mm |
| 2. Wattage: 5W (=20w/35w halogen) | 7. Dimmable: NO |
| 3. Color: 2700K Warm white | 8. Material: 100% Aluminum |
| 4. Beam angle: 38° | 9. Type: MR16 /GU5.3 bulb |
| 5. Lumen: 400lm | |

Figure 2: MR16 GU5.3 Bulb Dimensions (50mm x 48mm)

Standard Size & bright enough to replace
35W MR16 GU5.3 Halogen bulb



Figure 3: Standard Size MR16 GU5.3 LED Bulb compared to Halogen

4. OPERATING INSTRUCTIONS

The ALIDE MR16 LED bulbs provide instant-on illumination with a soft warm white light (2700K) and a 38-degree beam angle. They are designed for consistent performance in various settings.

Applications:

- **Indoor Use:** Ideal for kitchen track lights, recessed lights, ceiling lights, downlights, accent lighting in living rooms, bedrooms, bathrooms, hallways, counters, cabinets, art galleries, hotels, museums, offices, and restaurants.
- **Outdoor Use:** Perfect for low voltage outside landscape flood light fixtures, uplights, and lighting for yards, patios, lawns, path trees, and plants. Ensure protection from direct water exposure.



Figure 4: MR16 2700K Warm White 38° Beam Angle Illumination

Outdoor



Figure 5: Example of ALIDE MR16 Bulbs in Outdoor Landscape Lighting

Official Product Video:

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Video 1: ALIDE MR16 5W LED Bulbs Spotlights for Landscape Lighting. This video demonstrates the application and features of the ALIDE MR16 LED bulbs in various lighting scenarios.

5. MAINTENANCE

ALIDE MR16 LED bulbs are designed for minimal maintenance due to their long lifespan and durable construction. However, consider the following for optimal performance:

- **Cleaning:** If necessary, gently wipe the bulb with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Environmental Protection:** For outdoor installations, ensure the fixtures provide adequate protection from direct water exposure to prolong the bulb's life.
- **Ventilation:** Avoid using these bulbs in totally enclosed luminaires, as proper heat dissipation is essential for their longevity.

6. TROUBLESHOOTING

If you encounter issues with your ALIDE MR16 LED bulbs, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Bulb does not light up	No power, incorrect voltage, loose connection, faulty bulb.	Check power supply, ensure 12V AC/DC, re-seat the bulb, test with another bulb.
Bulb flickers	Incompatible transformer (especially old halogen transformers), low wattage load.	Use an LED-compatible transformer. If using a halogen transformer, add 1-3 MR16 halogen bulbs to stabilize the circuit (LEDs consume very low wattage).
Bulb lifespan is short	Overheating due to enclosed fixture, incorrect voltage, poor ventilation.	Ensure proper ventilation, do not use in totally enclosed luminaires, verify 12V input.
Light output is not as expected	Incorrect bulb type (e.g., MR11 instead of MR16), environmental factors.	Verify bulb type (MR16 GU5.3). Consider ambient light conditions.

If problems persist after attempting these solutions, please contact ALIDE customer support.

7. WARRANTY AND SUPPORT

ALIDE is committed to providing high-quality lighting products. Our MR16 LED bulbs are manufactured with durable materials and undergo strict quality control to ensure a long and reliable performance.

If you experience any issues or have questions regarding your ALIDE MR16 LED Bulbs, please do not hesitate to contact our customer support team. We are dedicated to ensuring your satisfaction.

For support, please refer to the contact information provided on your product packaging or the official ALIDE website.