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› Vinaco MR16 Halogen Bulb 50W 12V User Manual

Vinaco MR16

Vinaco MR16 Halogen Bulb 50W 12V Instruction Manual

Model: MR16 GU5.3

1. INTRODUCTION

Thank you for choosing the Vinaco MR16 Halogen Bulb. This bulb is designed to provide high-quality, warm white illumination for various indoor and outdoor applications. Featuring a GU5.3 base, 50W power consumption, and 12V operation, it offers a long-lasting lifespan and dimmable functionality for versatile lighting control.



Image 1: Vinaco MR16 Halogen Bulb, 50W 12V, with GU5.3 base.

2. SAFETY INFORMATION

- **Voltage Compatibility:** This bulb operates on **12V low voltage only**. Ensure your fixture provides the correct voltage. Connecting to a higher voltage (e.g., 120V) will damage the bulb and may pose a safety risk.
- **Base Type:** This bulb uses a GU5.3 base. Verify that your light fixture is compatible with GU5.3 base bulbs before installation.
- **Power Off:** Always turn off the power to the light fixture and allow the old bulb to cool completely before attempting installation or removal.
- **Handling:** Avoid touching the glass part of the bulb directly with bare hands, as oils from your skin can reduce bulb life. Use a clean cloth or gloves.
- **Indoor/Outdoor Use:** Suitable for both indoor and outdoor applications, provided the fixture is appropriate for the environment.

3. PACKAGE CONTENTS

Each package contains:

- 6 x Vinaco MR16 Halogen Bulbs (50W, 12V, GU5.3)

Your browser does not support the video tag.

Video 1: An overview of the Vinaco GU5.3 MR16 Halogen Bulb, showing its packaging and features. This video is provided by the seller, cyshare.

4. INSTALLATION

Follow these steps to safely install your Vinaco MR16 Halogen Bulb:

1. **Turn Off Power:** Before starting, ensure the power supply to the light fixture is completely turned off at the circuit breaker or wall switch.
2. **Allow Cooling:** If replacing an existing bulb, allow it to cool down completely before touching it. Halogen bulbs can become very hot during operation.
3. **Remove Old Bulb:** Carefully grasp the old MR16 bulb and pull it straight out from the GU5.3 socket. Avoid twisting if possible, as this can damage the pins or socket.
4. **Insert New Bulb:** Align the two pins of the new Vinaco MR16 bulb with the holes in the GU5.3 socket. Gently push the bulb straight into the socket until it is firmly seated. Do not force it.
5. **Restore Power:** Once the bulb is securely installed, restore power to the fixture.
6. **Test:** Turn on the light switch to confirm the bulb is working correctly.

MR16

LIGHTING FACTS



SPECIFICATION

Brightness: **800 Lumens**

Energy Consumption: **50W**

Voltage: **12V**

Lifespan: **3000 Hours**

CCT **2800K Warm White**

Base Type: **MR16 GU5.3**

Dimmable: **100% -10%**

High CRI: **100**

Image 2: Diagram showing the dimensions and base type of the MR16 GU5.3 bulb for proper fit.

5. OPERATION

The Vinaco MR16 Halogen Bulb provides a warm white light at 2800K, creating a comfortable and inviting atmosphere. It features a high Color Rendering Index (CRI) of 100, which accurately restores the true colors of objects, making your environment appear more vibrant.

Dimmable Functionality

This MR16 halogen bulb is fully dimmable, allowing for seamless adjustment of light intensity from 10% to 100%. This feature enables you to create the desired ambiance for any occasion or decoration. Ensure your dimmer switch is compatible with halogen bulbs.

Seamless Dimming 100% - 10%

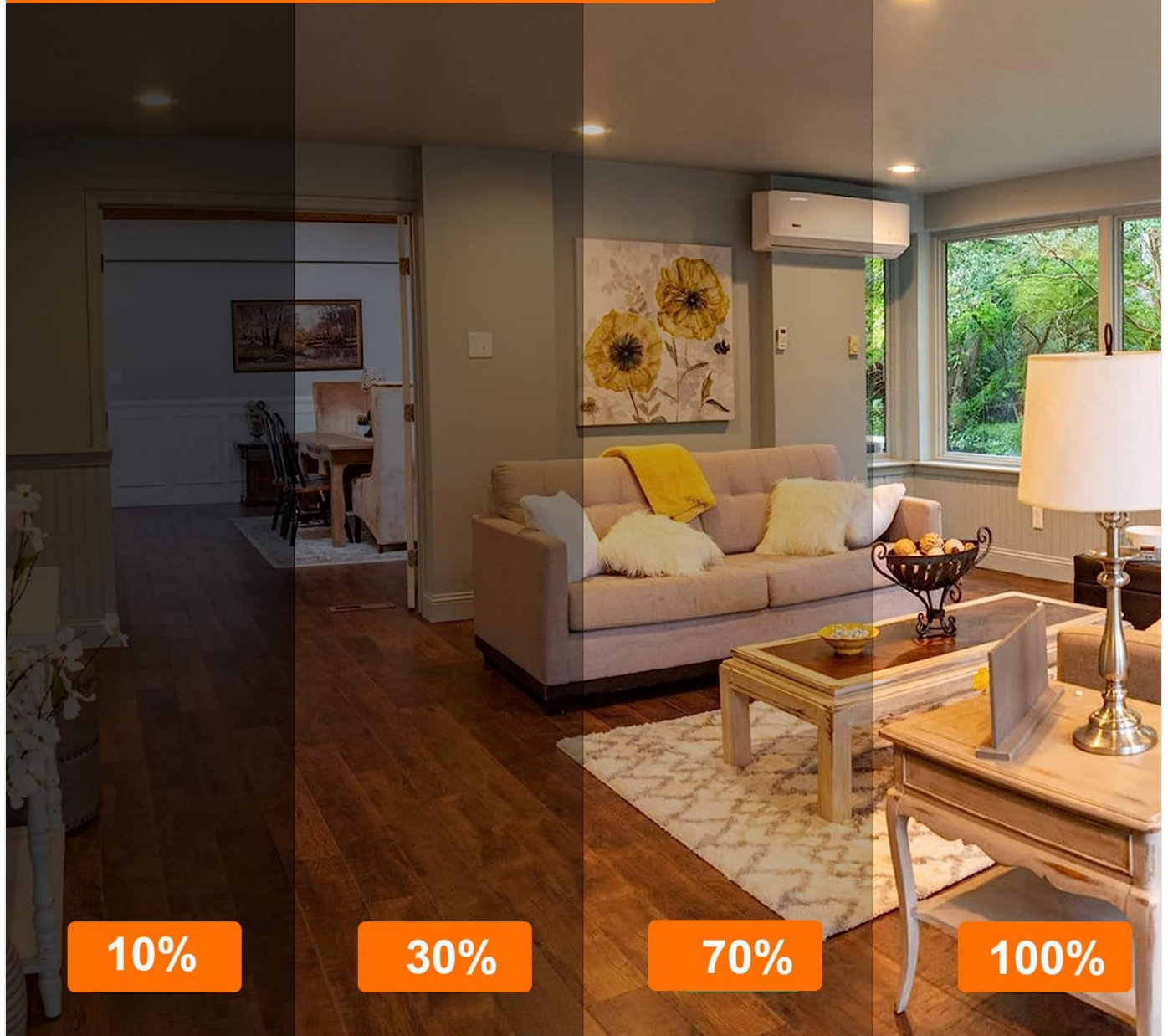


Image 3: Visual representation of the bulb's seamless dimming capability from 100% to 10% brightness.

Eye Protection

The bulb is designed to be eye-protective, producing zero flickering and no hazardous emissions, UV, or IR radiation. This contributes to a healthier lighting environment for your family.



See all color the way
they are supposed to be seen

CRI 100 VS CRI 80



Image 4: Comparison illustrating the superior color rendering of CRI 100 (Vinaco) versus CRI 80, showing more vivid and natural colors.

6. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your Vinaco MR16 Halogen Bulb, follow these simple maintenance guidelines:

- **Cleaning:** Ensure the bulb is cool and the power is off before cleaning. Wipe the bulb gently with a soft, dry, lint-free cloth. Avoid using liquid cleaners or abrasive materials.
- **Replacement:** When replacing bulbs, always use the same type and wattage to maintain consistent lighting and avoid overloading the fixture.
- **Storage:** Store unused bulbs in their original packaging in a cool, dry place to protect them from damage.

7. TROUBLESHOOTING

If you encounter issues with your Vinaco MR16 Halogen Bulb, consider the following common troubleshooting steps:

- **Bulb Not Lighting Up:**
 - Check if the power to the fixture is on.

- Ensure the bulb is correctly seated in the GU5.3 socket.
- Verify that the fixture is receiving power.
- Confirm the bulb's voltage (12V) matches the fixture's output.
- Test the bulb in another working fixture if possible, or try a new bulb in the current fixture to isolate the problem.

• **Flickering:**

- Ensure the bulb is fully inserted into the socket.
- Check for loose connections in the fixture or wiring.
- If using a dimmer, ensure it is compatible with halogen bulbs and is not faulty.
- Voltage fluctuations can sometimes cause flickering; consult an electrician if this is suspected.

• **Dimming Issues:**

- Confirm that your dimmer switch is designed for halogen bulbs and is functioning correctly.
- Some older dimmers may not provide smooth dimming for all halogen types; consider upgrading if issues persist.

8. SPECIFICATIONS

Key technical specifications for the Vinaco MR16 Halogen Bulb:

Feature	Specification
Brand	Vinaco
Model Name	MR16 GU5.3
Light Type	Halogen
Wattage	50 Watts
Voltage	12 Volts
Bulb Base	GU5.3
Brightness	800 Lumens
Color Temperature	2800 Kelvin (Warm White)
Lifespan	3000 Hours
Beam Angle	36 Degrees
Color Rendering Index (CRI)	100
Dimmable	Yes (10% - 100%)
Indoor/Outdoor Usage	Indoor, Outdoor
Material Type	Glass
Item Dimensions (W x H)	1.96"W x 1.73"H

9. APPLICATIONS

The Vinaco MR16 Halogen Bulb is versatile and suitable for a wide range of lighting applications, including:

- **Accent Lighting:** Highlight specific features or areas in your home or garden.
- **Track Lighting:** Ideal for adjustable track light fixtures in kitchens, living rooms, or retail spaces.
- **Landscape Lighting:** Perfect for illuminating pathways, garden features, or architectural elements outdoors.
- **Desk and Floor Lamps:** Provides focused light for reading or task-oriented activities.
- **Fiber Optics:** Can be used in specialized fiber optic lighting systems.
- **Art Gallery Lighting:** High CRI ensures accurate color representation for artwork.

2800K
Warm White

- ✓ Bright a smooth, relaxing & warm white
- ✓ Ideal for any space needs residential and commercial lighting



Image 5: Example of Vinaco MR16 bulbs used in kitchen lighting, providing bright and smooth warm white light.



Image 6: Vinaco MR16 bulbs illuminating a living room, demonstrating wide application in residential settings.

No Glare, No Flicker or Strobe Protect Your Families' Eyes Health



Image 7: Bedroom lighting featuring Vinaco MR16 bulbs, highlighting their no-glare and no-flicker properties for eye comfort.

10. WARRANTY AND SUPPORT

The Vinaco MR16 Halogen Bulb comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

If you experience any issues with your product or have questions not covered in this manual, please contact Vinaco customer support through the retailer's platform where you purchased the product. Please have your purchase details ready when contacting support.

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