

[Manuals.plus](#) /

› [Brilliance LED](#) /

› Brilliance LED MR16 2700K 4 Watt LED Bulb User Manual

Brilliance LED 035127473642

Brilliance LED MR16 2700K 4 Watt LED Bulb User Manual

Model: 035127473642

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Brilliance LED MR16 2700K 4 Watt LED Bulb. Please read these instructions carefully before installation and retain them for future reference.

The Brilliance LED MR16 bulb is a 4-watt, 2700K warm white LED designed as an energy-efficient replacement for 20-watt halogen MR16 bulbs. It features a 60-degree beam angle, is dimmable, and suitable for outdoor use with an 8-25VAC input.



Image 1: Front view of the Brilliance LED MR16 4 Watt LED Bulb, showing its heat sink design and GU10 base pins.

2. SAFETY INFORMATION

- **Electrical Safety:** Always disconnect power before installing, removing, or servicing the bulb. Failure to do so may result in electric shock or damage to the product.
- **Voltage Compatibility:** Ensure the input voltage (8-25VAC) matches your fixture's power supply. Incorrect voltage can damage the bulb.
- **Outdoor Use:** This bulb is rated for outdoor use. Ensure it is installed in a suitable, weather-protected fixture to prevent water ingress.
- **Heat:** Although LED bulbs produce less heat than traditional halogen bulbs, they still generate some heat. Do not touch the bulb immediately after operation. Ensure adequate ventilation around the bulb.
- **Dimming:** This bulb is dimmable. Use only with compatible low-voltage magnetic or electronic dimmers designed for LED lighting. Incompatible dimmers may cause flickering or damage.
- **Disposal:** Dispose of the bulb according to local regulations for electronic waste.

3. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged:

- 1 x Brilliance LED MR16 2700K 4 Watt LED Bulb (Model: 035127473642)
- This User Manual

4. SETUP AND INSTALLATION

1. **Power Off:** Before beginning installation, ensure the power supply to the fixture is turned off at the circuit breaker or switch.
2. **Remove Old Bulb:** Carefully remove the existing MR16 bulb from the fixture. Allow it to cool if it has been recently in use.
3. **Insert New Bulb:** Align the two pins of the Brilliance LED MR16 bulb with the sockets in the fixture. Gently push the bulb into the sockets until it is securely seated. Do not force the bulb.
4. **Secure Fixture:** If applicable, reassemble any protective covers or housing of the fixture.
5. **Power On:** Restore power to the fixture. The bulb should illuminate.



Image 2: Side view of the Brilliance LED MR16 4 Watt LED Bulb, highlighting its compact form factor and GU10 base.

Important: This bulb has a GU10 base. Ensure your fixture is compatible with GU10 MR16 bulbs. The bulb operates on 8-25VAC. Do not connect to standard 120V AC household current without a compatible low-voltage transformer.

5. OPERATING INSTRUCTIONS

Once installed, the Brilliance LED MR16 bulb operates like any standard light bulb. Simply use the wall switch or fixture control to turn it on or off.

Dimming Functionality

This LED bulb is designed to be dimmable. For optimal performance and to avoid flickering or damage, use it with a low-voltage dimmer switch specifically designed for LED lighting. Consult your dimmer’s manual for compatibility and installation instructions.

6. MAINTENANCE

- **Cleaning:** To clean the bulb, ensure the power is off and the bulb is cool. Wipe gently with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Inspection:** Periodically inspect the bulb and fixture for any signs of damage or wear.
- **Replacement:** The long lifespan of LED bulbs means frequent replacement is not typically necessary. Replace the bulb if it fails or its light output significantly diminishes.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Bulb does not light up.	• No power to the fixture. • Bulb not properly seated. • Incorrect voltage supply. • Bulb is faulty.	• Check circuit breaker and switch. • Ensure pins are fully inserted into the socket. • Verify power supply is 8-25VAC. • Replace the bulb.
Bulb flickers or hums.	• Incompatible dimmer switch. • Loose connection. • Voltage fluctuations.	• Use an LED-compatible low-voltage dimmer. • Ensure bulb is securely seated. • Consult an electrician if voltage issues persist.
Light output is too low or inconsistent.	• Dimmer setting too low. • Bulb nearing end of life.	• Adjust dimmer to a higher setting. • Replace the bulb.

8. SPECIFICATIONS

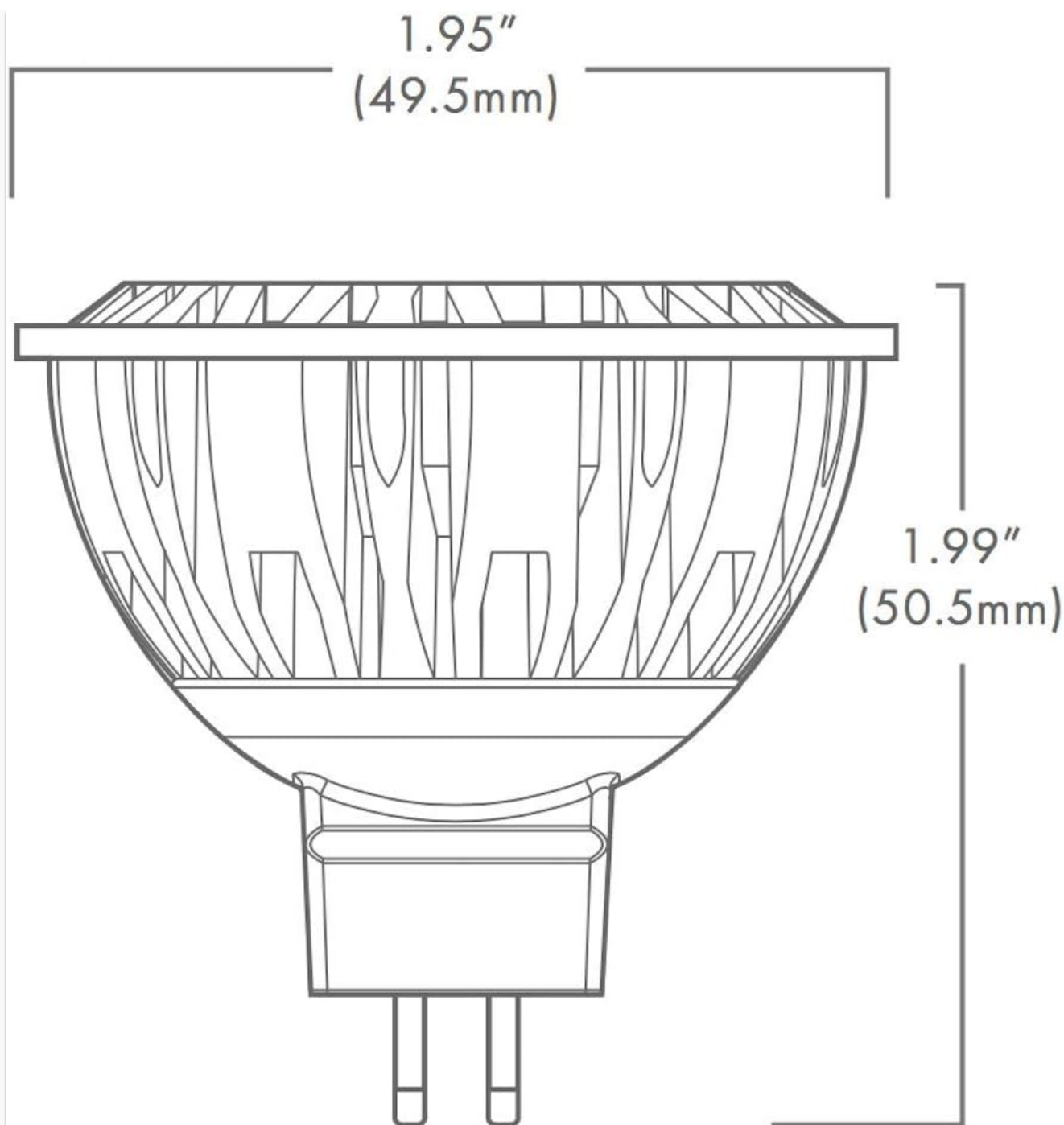


Image 3: Dimensional drawing of the Brilliance LED MR16 4 Watt LED Bulb, showing a width of 1.95 inches (49.5mm) and a height of 1.99 inches (50.5mm).

Feature	Detail
Model Number	035127473642
Bulb Type	LED MR16
Wattage	4 Watts
Halogen Equivalent	20 Watts
Color Temperature	2700 Kelvin (Warm White)
Beam Angle	60 Degrees
Dimmable	Yes

Feature	Detail
Input Voltage	8-25VAC
Max Current	0.6A
Bulb Base	GU10
Indoor/Outdoor Usage	Outdoor
Brightness	~200-300 Lumens (250 Lumens White Brightness)
Color Rendering Index (CRI)	80
Material	Copper
Item Weight	1.76 ounces
Package Dimensions	2.72 x 2.09 x 2.05 inches

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Brilliance LED directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase.

Manufacturer: Brilliance LED

Model: 035127473642

