

MR-16 Base LED Lamp

12V AC / DC



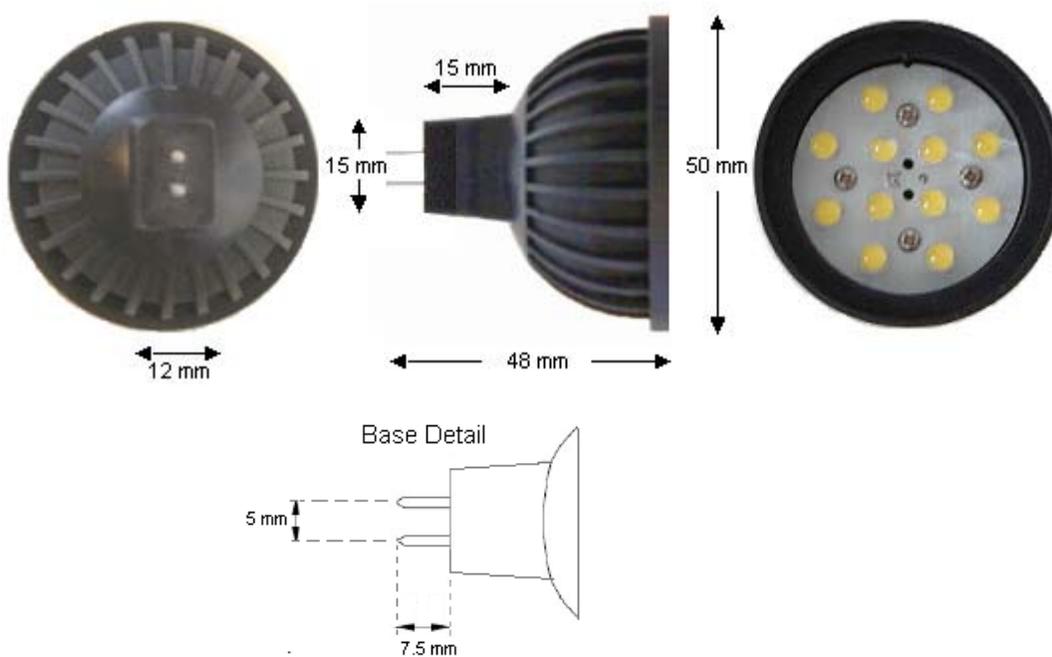
Description:

A cluster of 12 Ultra High Brightness White LEDs on a thick metal core round PCB board with a metal outer shell which provides heat sinking for optimized body temperature and a standard size MR-16 base (GX5.3 pins) with internal circuitry to operate at a voltage input of 12 V AC and drive each LED safely within maximum limits for highly reliable and longer lasting operation (Lumen maintenance).

Ideal for incandescent MR-16 base lamp replacement in lighting applications where lower energy consumption and maintenance cost issues are critical.

Physical Dimensions:

Tolerance: +/- 0.5 mm



Typical Performance Specifications (at 25°C):

Input Voltage	Current Draw	Power Consumption	Luminous Flux	Luminous Intensity	Viewing Angle	Color Temperature
12 V (AC / DC)	0.175 A	2.10 Watts	40 Lumens	180 candela	20°	6500 – 9500 °K (Cool white)
				94 candela	50°	
			32 Lumens	145 candela	20°	2700 – 3000 °K (Warm white)
				78 candela	50°	

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General Specifications:

Absolute Maximum Ratings (not to be exceeded):

- Maximum Input Voltage: 14V AC / 13V DC
- Maximum Operating Ambient Temperature: -40°C to +45°C
- Storage Temperature: -30°C to + 50°C

Operating characteristics (at 25°C):

- Device body (operating) temperature of +30°C (+86 °F)
- Estimated MTBF: 100,000 hours
- Estimated useful life (50% decay): 50,000 hrs.

Ordering information:

Color Temperature	Hue	Viewing Angle	Part Number
6500 – 9500 °K	Cool White	20°	BL-BM612CW12-20
		50°	BL-BM612CW12-50
2700 – 3000 °K	Warm White	20°	BL-BM612WW12-20
		50°	BL-BM612WW12-50