



PROJECT:	TYPE:
VOLTAGE:	COMMENTS:

Array™ LED MR16

SPECIFICATIONS FEATURES

Approximate Equivalence	20 Watt Halogen Lamp
Base Type	GU5.3
Power Factor	All lamps > .92
Voltage	12VAC & 12VDC (order separately)
Average Wattage	3.3 Watts
Color Temp (ANSI)	Cool White (6500K) Natural White (5000K) Warm White (3000K) Incandescent WW (2700K)
CRI	Cool White: 78 Natural White: 77 Warm White: 82 Incandescent WW: 85
Output (Lumens) *+/- 5%	Cool White: 185 Natural White: 195 Warm White: 161 Incandescent WW: 149
Beam Angle	Flood (60° - 100°) Narrow Flood (25° - 30°)
Weight	1.2 oz
Width	2.0" (50mm)
Length	2.125" (54mm)
Operating Temp.	-40°F to 113°F (-40°C to 45°C)
Dimmable¹	100% to 10% on most commercial and incandescent dimmers
RoHS Compliant	Contains no mercury or lead
Rating	Approved for use in indoor and damp locations
Rated Life	50,000 Hours
Listings	UL Recognized, CE
IEC Certified	IEC61000-4-5/ IEC61000-4-12
Warranty	3 Years



- High efficacy/High Lumen Package
- Equivalent to a 20 Watt halogen lamp
- RoHS Compliant
- Dimmable¹ on most commercial and incandescent dimmers

DESCRIPTION

Array LED MR16 is a LED high output MR16 Bi-Pin base lamp. The Array LED MR16 is equivalent to a 20 watt halogen lamp but uses up to 80% less energy and lasts up to 25 times longer. The MR16 lamps are designed for track lighting and spot lighting applications powered by low voltage supplies. Worldwide patent pending SELECTIVE HEAT SINK TECHNOLOGY™ (SHS) ensures reliable operation for 50,000 hours which makes these lamps ideal for retail, commercial, and hospitality applications, as well as long duty cycle, "always-on" applications and/or hard to reach locations. The Array LED MR16 lamp generates very little heat allowing it to be placed in temperature sensitive areas. The Array LED MR16 is available in cool, natural, warm white, and incandescent warm white color temperatures. 12VAC or 12VDC versions are ordered separately.



* All Array LED lamps are tested to LM-79 and LM-80 standards.

¹ Some dimming systems require a minimum load to operate properly. Array lamps are energy efficient, low power devices. With only a few lamps in a circuit, they may not meet the minimum load required for an existing dimming systems. As a result the LED lamps may glow or may not dim properly. Please consult the dimming systems manufacturer for minimum load requirements or contact Array Lighting to help you determine the proper dimming systems to operate the LED lamps.

*UL Recognized for use in indoor and damp locations

Array MR16 + Electronic Transformers: Like all low power LED MR16 lamps the Array MR16 is not compatible with some electronic transformers due to its low power consumption. In most cases electronic transformers require a minimum load greater than 5 watts in order to function correctly, this is prevalent with fixtures that utilize an integral transformer for each fixture. Typical problems that exist would be flickering, strobing, low output, or no output.

ORDERING INFORMATION

MODEL	TYPE	COLOR TEMP	BEAM ANGLE
AAC - 12VAC	R16	IW - 2700K (INCAN. WARM WHITE)	25 - NARROW FLOOD (25° - 30°)
ADC - 12VDC		WW - 3000K (WARM WHITE)	60 - FLOOD (60° - 100°)
		NW - 5000K (NATURAL WHITE)	
		CW - 6500K (COOL WHITE)	

Ordering Example: AACMR16WW60