

SORAA® VIVID 2

LED MR16 2700K 12VAC 8-10W



Narrow Flood and Flood



Narrow Spot



reddot design award
winner 2013



RoHS

OUTPUT 1075-4300 CBCP, 320-400 Lumens

BEAM 10°, 20°, 25°, 36°

COLOR CCT: 2700K CRI>95, R9>95

APPLICATION Halogen replacement for unventilated indoor and outdoor applications

PERFORMANCE

CBCP matches standard halogen lamps

Single light source

Single crisp shadow

Dimmable to 20%

Power Factor: 0.93

12V (10.8 min, 13.2 max)

COLOR

CCT: 2700K

CRI>95, R9 95

White point accuracy within 3 SDCM

Rich saturated color rendering

Excellent color stability

OPTIMIZED FORM

ANSI standard MR16 form factor:

1.96" (50mm) W x 1.86" (47.6mm) H

Works in all standard fixtures

Weight: 40g

Proprietary fanless aluminum design provides superior thermal dissipation

HIGHLY COMPATIBLE

Works with magnetic and electronic transformers and dimmers (see complete list at www.soraa.com)

UL and CUL listed for use with 12VAC NEC Class 1 and Class 2 systems

LONG LIFE, LOW MAINTENANCE

Life of 35,000 hours

Three year warranty

ENERGY EFFICIENT

Saves over 80% of energy compared to standard halogen lamps

Typical payback of one year or less

INTENDED USE AND APPLICATIONS

LED retrofit lamp to replace 12VAC halogen MR16 lamps for use in outdoor sealed or unventilated fixtures, indoor sealed or unventilated fixtures, or applications with glass lenses

Not for use in Emergency Fixtures or Exit Signs

Operating Temperature: Minimum:-40°C (ambient); Typical: 80-110°C (base); Maximum: 125°C (base)

Soraa lamps are designed to safely shut down in any thermal environment not conducive to minimum airflow or proper ventilation

CERTIFICATIONS

UL, CUL for 12VAC NEC Class 1 and Class 2 systems, FCC 47 CFR Part 15 and Part 18 (EMI), RoHS, CE, C-tick

SPECIFICATIONS*

Reference Number	Product Code	Beam	Field	CBCP	Watts	Halogen Equivalent**	Lumens
MR16-40-B01-12-927-10-2	00263	10°	20°	4300	8	40W	320 (40 lm/W)
MR16-50-B01-12-927-20-2	00215	20°	38°	2550	9.8	50W	400 (41 lm/W)
MR16-50-B01-12-927-25-2	00223	25°	42°	2320	9.8	50W	400 (41 lm/W)
MR16-50-B01-12-927-36-2	00275	36°	60°	1075	9.8	50W	400 (41 lm/W)

*at stable warm operating conditions (25°C ambient) **Energy Star Minimum

Form Factor | Base | Voltage | CRI | CCT | Beam
MR16 - 50 - B01 - 12 - 927 - 25

The diagram at left shows how to read the different components of the reference number. Base type B01 refers to the GU 5.3 base.

12VAC



2700K

CRI >95

R9 >95



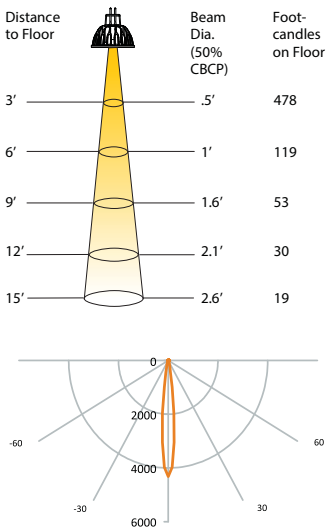
DIM



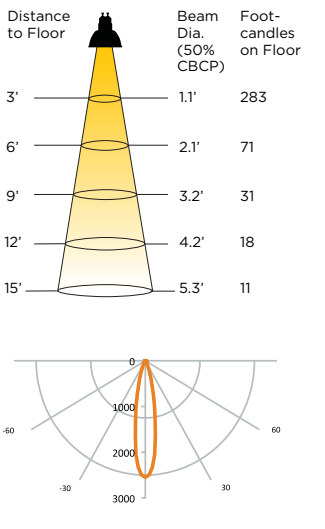
SORAA VIVID 2 MR16 LED 2700K 12VAC 8-10W

PHOTOMETRICS

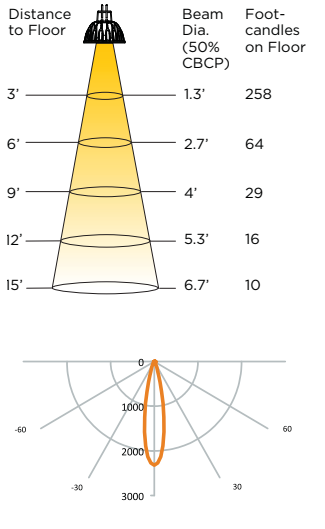
Narrow Spot - 10°



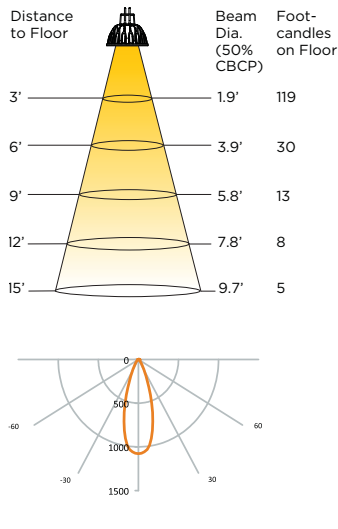
Narrow Flood - 20°



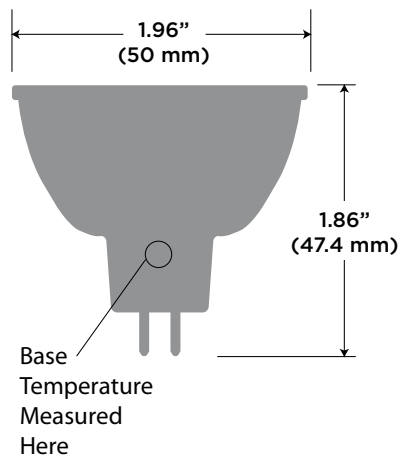
Narrow Flood -25°



Flood -36°

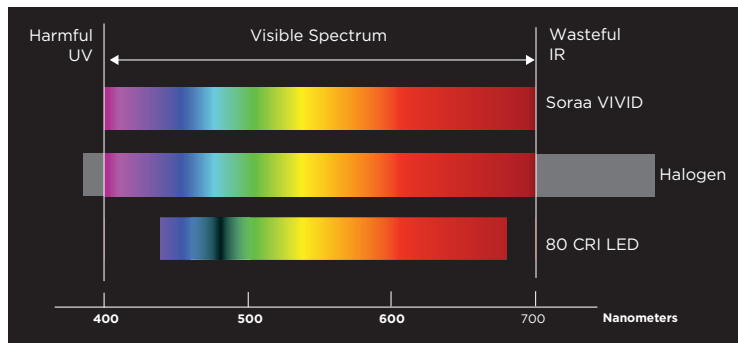
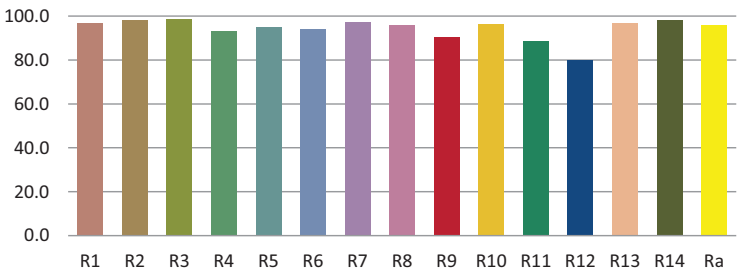


DIMENSIONS



COLOR RENDERING

CRI- Relative R Values



SAFETY NOTE ON HEAT

Soraa's unique LED technology allows its lamps to operate effectively and efficiently at higher temperatures than other LED lamps, resulting in more light output per diode. Although Soraa's lamps operate at cooler temperatures than halogen lamps, it is recommended that gloves be worn when handling bare lamps that have been energized.

TRANSFORMER/DIMMER COMPATIBILITY

Dimmable to 20% or lower, depending on dimmer. Complete transformer and dimmer compatibility information available at www.soraa.com.