

SORAA® VIVID

MR16 LED SPOT 3000K 11W 12VAC

MR16-AB1-A1-930-12T-14-S1



Soraa's VIVID series MR16 is the leader in next-generation LED lamp technology and is the choice when quality of light is the primary consideration. With a CRI of 95, R9 of 95, and rich saturated color rendering, and excellent color stability, the VIVID lamp is the only choice for demanding display applications. Designed to replace standard 40W MR16 halogen lamps, the Soraa lamp offers superior light quality, while saving up to 75% of the energy of halogen lamps.

PERFORMANCE

35W equivalent halogen performance, CBCP matches standard halogen lamps
Single light source
Single crisp shadow
Dimmable

COLOR

White point accuracy within 3 SDCM
Rich saturated color rendering
Excellent color stability

OPTIMIZED FORM

ANSI standard MR16 form factor
Compatible with standard fixtures
Proprietary fanless aluminum design for superior thermal dissipation
Lightweight, comparable to typical halogen lamps

LONG LIFE, LOW MAINTENANCE

Lifetime of 25,000 hours
Three year warranty

ENERGY EFFICIENT

Saves over 75% of energy compared to standard 35W halogen lamps
Delivers typical payback of one year or less

HIGHLY COMPATIBLE

Works with magnetic and electronic transformers and dimmers (see complete list at www.soraa.com)
UL and CUL listed for use with 12V NEC Class 1* and Class 2 systems
Rated for use in dry or damp locations

INTENDED USE AND APPLICATIONS

LED retrofit lamp to replace 12VAC 35W halogen MR16 lamps in outdoor sealed, indoor sealed, non-ventilated, or damp applications

SPECIFICATIONS

Wattage	11W
Voltage	12VAC
Beam Angle	14°
CBCP	3250 cd
Lamp Life	25,000 hrs
Correlated Color Temperature	3000 K
CRI/R9	CRI (RA) 90 / R9 95
Weight	40 grams
Warranty	3 years, 25,000 hours
Certifications	UL, CUL for NEC Class 1* and Class 2 systems, FCC 47 CFR Part 15 and Part 18 (EMI), RoHS, CE
Part Number	MR16-AB1-A1-930-12T-14-S1

11W

12VAC



3000K

CRI >95



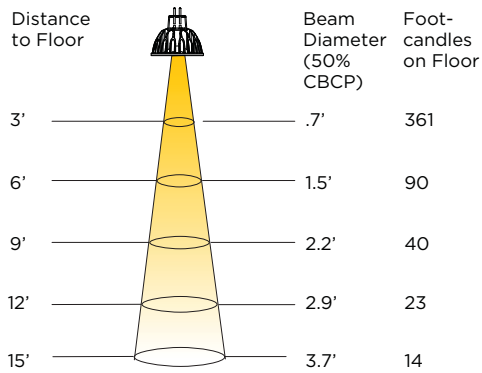
DIM



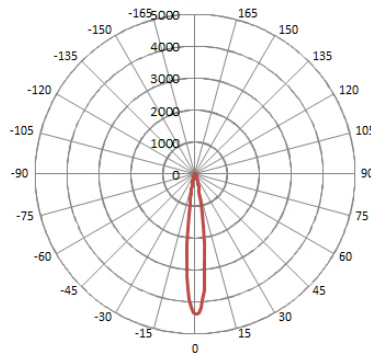
SORAA VIVID MR16 LED SPOT 3000K 10.9W 12VAC

PHOTOMETRICS

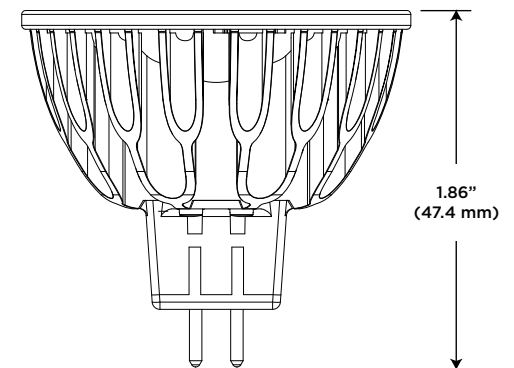
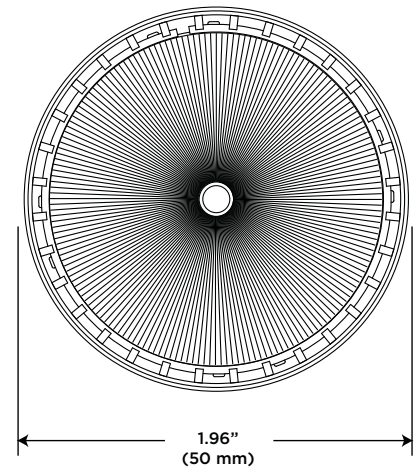
Beam Diagram



Polar Intensity Diagram



DIMENSIONS (FULL SCALE)



SELECTED TRANSFORMER COMPATIBILITY*

Manufacturer	Part Number	Class	UL
Cooper Halo	LV506/507	1	UL1012
Cooper RSA	RT-60	2	UL1310
Cooper RSA	RT-105	1	UL1012
Cooper RSA	RT-150	1	UL1012
Cooper RSA	RT-300L	1	UL1012
Cooper RSA	RT-75L	1	UL1012
Juno	TL-549N/550N/554N	1	UL1012
Hatch	RS12-15M/30M/60M-LED	2	UL1310
Hatch	RS12-60	2	UL1310
Hatch	VS12-60W	2	UL1310
Hatch	VS12-60W	2	UL1310
Hatch	VS12-75W	1	UL1012
Hatch	RS12-80	1	UL1012
Hatch	RS12-150	1	UL1012
Hatch	VS12-105W	1	UL1012
Lightech	LET-60	2	UL1310
Lightech	LET-60-LW	2	UL1310
Lightech	LET-75	1	UL1012
Lightech	LET-105W	1	UL1012
Lightech	LET-151	1	UL1012
Lightech	LET-303-12	1	UL1012
MDL, Juno	316-0002	1	UL1012

SELECTED TRANSFORMER AND LUTRON DIMMER COMPATIBILITY, NORTH AMERICA*

	Diva DVELV- 300P	Faedra FAELV- 500	Graphic Eye #3000	Maestro MAELV- 600	Nova NELV- 450	Nova T NTELV- 300	Skylark SELV- 300P	Skylark SELV- 600P
Transformer								
Cooper RSA								
RT60	•	•	•	•	•	•	•	•
RT75L	•	•	•	•	•	•	•	•
Hatch								
RS1260	•	•	•	•	•	•	•	•
RS1260M-LED	•	•	•	•	•	•	•	•
VS12-60WD	•	•	•	•	•	•	•	•
VS12-75WD	•	•	•	•	•	•	•	•
Lightech								
LET-60	•	•	•	•	•	•	•	•
LET-75	•	•	•	•	•	•	•	•

(* Denotes compatible)

Soraa lamps also work with all Marlin dimmers. Dimmable to 20% or lower, depending on dimmer.

*Complete transformer and dimmer compatibility information at www.soraa.com.

10.24.12 Information and specifications subject to change. DI10023 Rev A

APPLICATION NOTES

For use in outdoor sealed, or indoor sealed or non-ventilated fixtures, or applications with glass lenses.

Not for use in Emergency Fixtures or Exit Signs.

Ambient temperature within -20° C to +45° C.

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

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.

