SORAAhealthy™

MR16 7.5W

HIGH COLOR QUALITY, ENCLOSED FIXTURE COMPATIBLE LED LAMP FOR USE IN MR16 COMPATIBLE DOWNLIGHTS AND OTHER INDOOR AND OUTDOOR APPLICATIONS

OUTPUT RANGE	400 lumen
BEAM ANGLE	36˚
COLOR METRICS	CCTs: 2700K Color Rendering CIE Metrics: CRI 80, R9 90
APPLICATION	Halogen replacement for applications that require low or no blue in the spectrum

2 PACK

zero blue | IR | UV | | 12V AC dimmable | MR16 | damp rated

ZEROBLUE WITH 100% VISUAL APPEAL

THE SLEEP-FRIENDLY LIGHT
THAT LOOKS AS GOOD AS IT FEELS

We designed Soraa HEALTHY™ lamps with our unique Soraa ZEROBLUE™ technology, which means your body recognizes the time for sleep as nature intended. Evenings are more restful, your body relaxes, and sleep comes more easily.

SORAA ZEROBLUE TECHNOLOGY

Soraa HEALTHY lamps have no blue content in the spectrum (as opposed to just dimming the light and producing a warmer tone) so there is no overexposure to blue light in the evening which can negatively impact our sleep cycles and longer-term health.

Soraa's patented ZEROBLUE technology advances LED science by creating an emitter of high-quality white light without blue radiation. Based on Soraa's world leading violet LEDs, Soraa combines an engineered mix of green and red phosphors to produce a spectrum with a wide gap in the blue range.

Soraa HEALTHY lamps not only provide circadian-health benefits of no blue content to support better sleep and healthy environments, but they also retain a beautiful, white light quality, making these lamps functional for any space.

FLICKER

Soraa lamps demonstrate low levels of flicker in both dimmed and undimmed states.
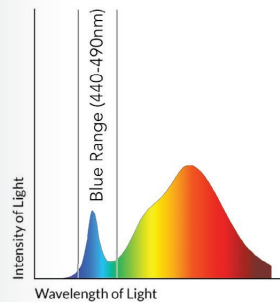
THERMALLY COMPATIBLE

Suitable for use in fully enclosed fixtures, subject to the maximum heatsink temperature limits stated in this data sheet. A list of qualified enclosed fixtures can be found at www.soraa.com/resources. Soraa lamps are designed to safely turn down in any thermal environment not conducive to minimum airflow or proper ventilation.

ELECTRICALLY COMPATIBLE

Works with trailing edge and leading edge phase cut dimmers. A list of compatible dimmers and transformers can be found at www.soraa.com/resources/compatibility.
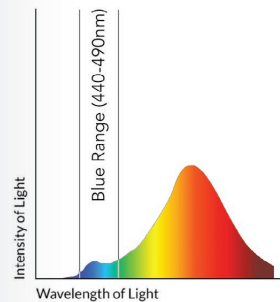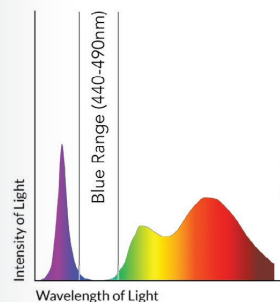
STANDARD LED – large blue peak

Faded colors and whites

SLEEP LED – reduced blue, unnatural yellow

Unnatural yellow tint

SORAA ZEROBLUE LED – soft white light with no blue

Beautiful colors and whites

SORAAhealthy™

LIFETIME AND WARRANTY
Rated lifetime to L70: 25,000 hours
Warranty: 3 years or 25,000 hours whichever comes first
Detailed warranty information available at:
soraa.com/resources/legal

LOCATION RATING
Suitable for damp locations
Not rated for use in wet locations, should not be exposed
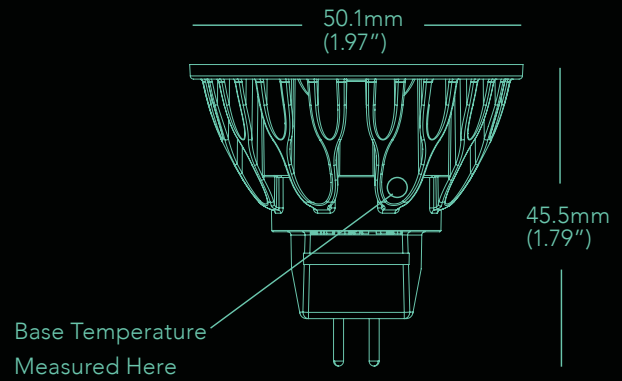to liquid water (including condensation).

OPERATING TEMPERATURE
Minimum: -40° C (ambient)
Typical: 85° C - 95° C (lamp base)
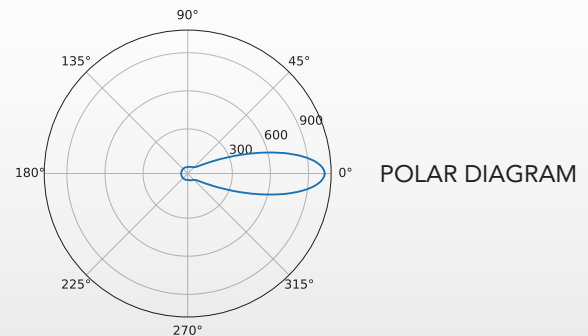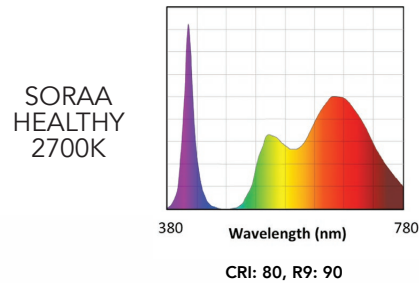Maximum: 100° C (lamp base)

ELECTRICAL SPECIFICATIONS
Wattage: 7.5W
Voltage: 12V +/- 1. 2V
Frequency: 50/60 Hz
Power Factor: 0.95
Dimmability: <20%
Flicker Index: <0.02
Percent Flicker: <5%

CERTIFICATIONS
UL/CUL
FCC Title 47 Part 15B
RoHS

cULus   RoHS

50.1mm
(1.97")

45.5mm
(1.79")

Base Temperature
Measured Here

SPECTRAL POWER DISTRIBUTION

SORAA
HEALTHY
2700K

380   Wavelength (nm)   780

CRI: 80, R9: 90

POLAR DIAGRAM

Model Number	Product Code	CCT (K)	Total Flux (Lm)	Beam Angle (˚)	Halogen Equiv (W)**	Efficacy (Lm/W)	CRI/R9	White Point (McA)
HEALTHY SERIES								
SH-MR16-07-36D-27-01-X2-S3	04695	2700	400	36˚	50	53	80 / 90	3

*Specifications are at stable warm operating conditions (25°C ambient)   **Energy Star Minimum
CCT = Correlated Color Temperature   CRI = Color Rendering Index (Ra-8)   White Point = White Point Accuracy in McA step

Soraa HEALTHY lamps are available in the following form factors: A60 – A19 – BR30 – MR16 – GU10 https://www.soraa.com/products/lamps

SORAA®
SIMPLY PERFECT LIGHT