



OUR LIGHT IS PERFECT BECAUSE WE INVENTED IT TO BE

We design the smallest sources and pair them with our unique full spectrum technology, for perfect color and light distribution in a range of lamp form factors.

SORAA VIVID COLOR™

Soraa lamps provide beautiful and accurate color rendering across the entire visible spectrum, with CRI/95, R9/95, Rf/90, Rg/100

SORAA NATURAL WHITE™

Soraa lamps clearly differentiate infinite shades of white; whiteness rendering matches or exceeds halogen and incandescent sources at 2700K and 3000K.

FLICKER

Soraa lamps demonstrate low levels of flicker, achieving <30% 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.

LOCATION RATING

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

HIGH COLOR QUALITY, ENCLOSED FIXTURE COMPATIBLE LED LAMP FOR USE IN BR30 COMPATIBLE DOWNLIGHTS AND OTHER INDOOR AND OUTDOOR APPLICATIONS

OUTPUT RANGE 725 – 750 lumen

BEAM ANGLE 120°

COLOR METRICS CCTs: 2700K, 3000K
Color Rendering
CIE Metrics: CRI 95, R9 95
TM30 Metrics: Rf 90, Rfh1 90
Whiteness Index: Rw 100

APPLICATION Halogen replacement for indoor and outdoor applications



vivid color

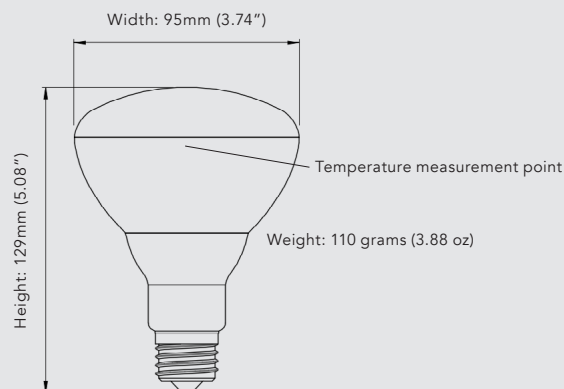


whites

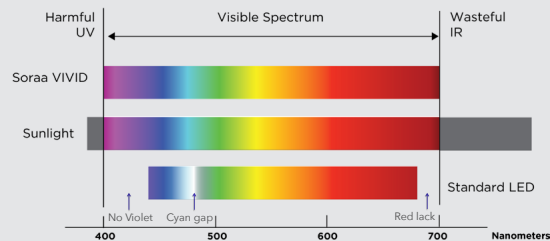


damp rated

FORM FACTOR



COLOR RENDERING



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

OPERATING TEMPERATURE

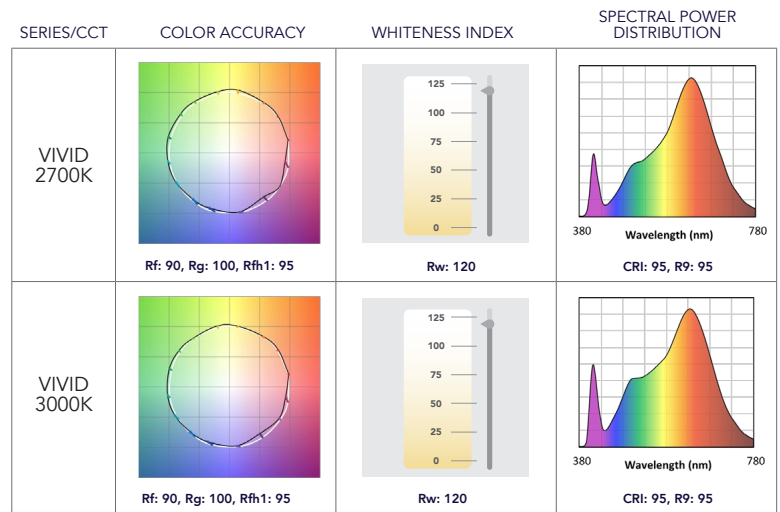
Minimum: -40° C (ambient)
 Typical: 65° C - 80° C (lamp base)
 Maximum: 90° C (lamp base)

ELECTRICAL SPECIFICATIONS

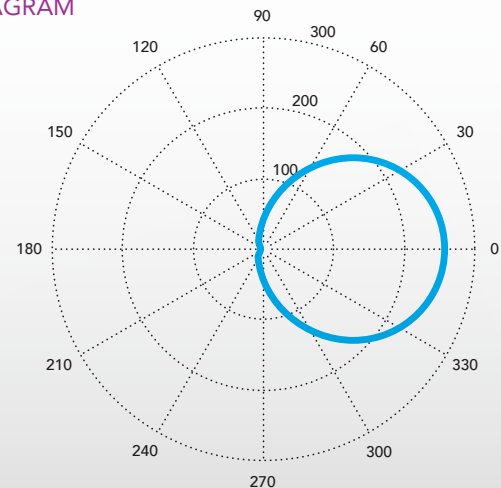
Wattage: 11.5W
 Voltage: 120V +/- 12V
 Frequency: 50/60 Hz
 Power Factor: 0.95
 Dimmability: <20%
 Flicker Index: <0.08
 Percent Flicker: <30%

CERTIFICATIONS

UL/CUL
 FCC Title 47 Part 15B
 RoHS



POLAR DIAGRAM



Model Number	Product Code	CCT (K)	Total Flux (Lm)	Beam Angle (°)	Halogen Equiv (W)**	Efficacy (Lm/W)	CRI/R9	Rf	White Point (McA)
VIVID SERIES									
SB30-11-120D-927-01	04216	2700	725	120	65	62	95 / 95	90	3
SB30-11-120D-930-01	04218	3000	750	120	65	65	95 / 95	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

