

PAR30S GU24 18.5W



OUTPUT RANGE: VIVID SERIES	930 - 1040 lumen
BEAM ANGLE RANGE	9°, 25°, 36°, 60°
COLOR TEMPERATURE RANGE	2700K, 3000K, 4000K
APPLICATION	Halogen replacement for indoor & outdoor applications



POINT SOURCE OPTICS

Exceptional beam control enables unique 9° narrow spot and smooth uniform beams

Single light source, single crisp shadow

VP₃ VIVID COLOR AND VP₃ NATURAL WHITE

VIVID series provides accurate color rendering across the visible spectrum from 400nm to 700nm, with CRI/95, R9/95, Rf/90, Rg/100

Whiteness rendering matches or exceeds that of halogen and incandescent sources at 2700K and 3000K

ENERGY EFFICIENCY AND LONG LIFE

85% more energy efficient than standard halogen lamps

Typical payback of one year or less

Rated lifetime to L70: 35,000hrs

Warranty: 3yrs or 25,000hrs whichever comes first

Detailed warranty information available at soraa.com/resources/legal

CERTIFICATIONS

JA8-2016-E, RoHS, CE, UL/CUL, FCC Title 47 Part 15B



HIGHLY COMPATIBLE

Narrow spot compatible with Soraa SNAP System accessories

Thermally and geometrically compatible with standard fixtures and suitable for damp locations

Suitable for fully enclosed fixtures. Can be used with front glass cover

Works with trailing edge and leading edge phase cut dimmers (see www.soraa.com/resources)

INTENDED USE AND APPLICATIONS

Intended for use in PAR30S compatible recessed downlights, track lighting and other indoor and outdoor applications

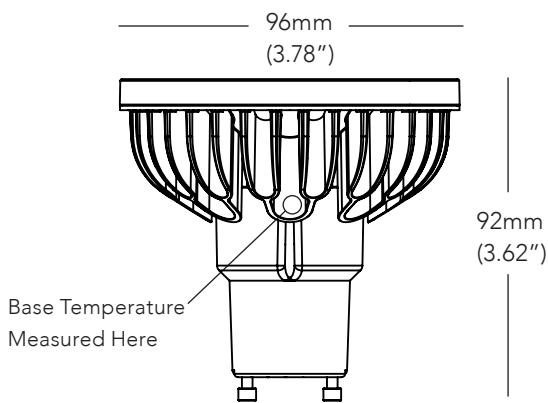
Soraa lamps are designed to safely turn down in any thermal environment not conducive to minimum airflow or proper ventilation

GENERAL SPECIFICATIONS

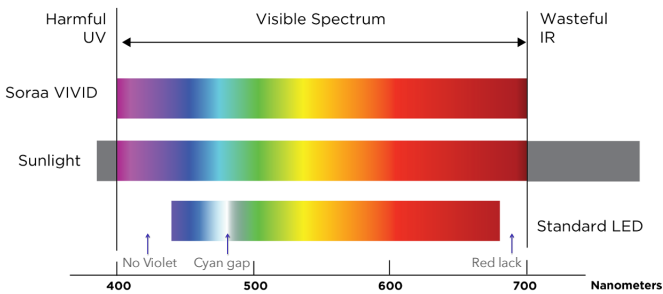
Form Factor	Operating Temperature	Electrical	Dimming and Flicker
Width: 96mm (3.78")	Minimum: -40°C (ambient)	Wattage: 18.5W	Dimmable to <20%
Height: 92mm (3.62")	Typical: 70°C - 80°C (base)	Power factor: 0.95	Flicker Index: <0.12
Weight: 270g	Maximum: 90°C (base)	Voltage: 120V +/- 12V	Percent Flicker: 28%*
		Frequency: 50/60Hz	

* These Soraa lamps are certified to California's demanding JA8 standard, which requires <30% flicker

DIMENSIONS

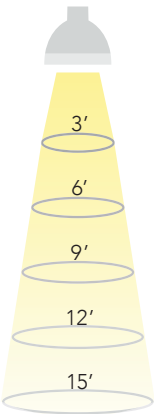


COLOR RENDERING



9 DEGREE BEAM

Beam Dia at 50% CBCP (ft)	Field Dia at 10% CBCP (ft)	Foot-candles (% of CBCP)
0.5	0.8	8.6%
0.9	1.7	2.5%
1.4	2.5	1.2%
1.9	3.4	0.7%
2.4	4.2	0.4%

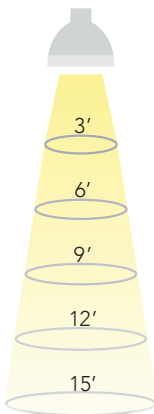


25 DEGREE BEAM

Beam Dia at 50% CBCP (ft)	Field Dia at 10% CBCP (ft)	Foot-candles (% of CBCP)
1.3	2.2	8.6%
2.7	4.4	2.5%
4.0	6.6	1.2%
5.3	8.7	0.7%
6.7	10.9	0.4%

36 DEGREE BEAM

Beam Dia at 50% CBCP (ft)	Field Dia at 10% CBCP (ft)	Foot-candles (% of CBCP)
1.9	3.5	8.6%
3.9	6.9	2.5%
5.8	10.4	1.2%
7.8	13.9	0.7%
9.7	17.3	0.4%



60 DEGREE BEAM

Beam Dia at 50% CBCP (ft)	Field Dia at 10% CBCP (ft)	Foot-candles (% of CBCP)
3.5	6.0	8.6%
6.9	12.0	2.5%
10.4	18.0	1.2%
13.9	24.0	0.7%
17.3	30.0	0.4%

Note: Footcandles may be calculated by multiplying the CBCP of the desired model number by the percentage in the tables above

SPECIFICATIONS BY MODEL NUMBER* SORAA LED PAR30S GU24 18.5W

Model #	Product Code	CCT (K)	Beam Angle	Field Angle	CBCP (Cd)	Halogen Equivalent	Total Flux (Lm)	Efficacy (Lm/W)	McA	JA8-2016-E	SNAP
VIVID SERIES											
SP30SG-18-09D-927-03	02583	2700	9	16	17200	100	930	50	3	YES	YES
SP30SG-18-25D-927-03	02585	2700	25	40	5020	100	930	50	3	YES	-
SP30SG-18-36D-927-03	02587	2700	36	60	2320	100	930	50	3	YES	-
SP30SG-18-60D-927-03	02589	2700	60	90	1020	100	930	50	3	YES	-
SP30SG-18-09D-930-03	02599	3000	9	16	18500	100	1000	54	3	YES	YES
SP30SG-18-25D-930-03	02601	3000	25	40	5400	100	1000	54	3	YES	-
SP30SG-18-36D-930-03	02603	3000	36	60	2500	100	1000	54	3	YES	-
SP30SG-18-60D-930-03	02605	3000	60	90	1100	100	1000	54	3	YES	-
SP30SG-18-09D-940-03	02615	4000	9	16	19240	100	1040	56	4	NA	YES
SP30SG-18-25D-940-03	02617	4000	25	40	5600	100	1040	56	4	NA	-
SP30SG-18-36D-940-03	02619	4000	36	60	2600	100	1040	56	4	NA	-
SP30SG-18-60D-940-03	02621	4000	60	90	1140	100	1040	56	4	NA	-

CCT: Correlated Color Temperature McA: White Point Accuracy in McA step SNAP: SORAA SNAP System Compatible

*Specifications are at stable warm operating conditions (25°C ambient)

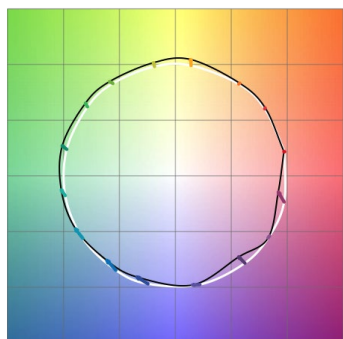
SERIES/CCT

COLOR ACCURACY

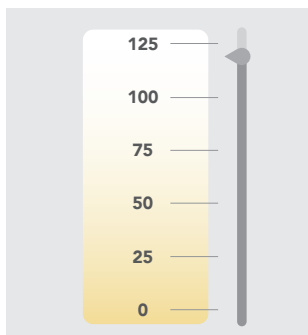
WHITENESS INDEX

SPECTRAL POWER DISTRIBUTION

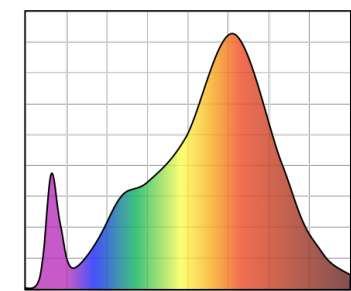
**VIVID
2700K**



Rf: 90, Rg: 100, Rfh1: 95



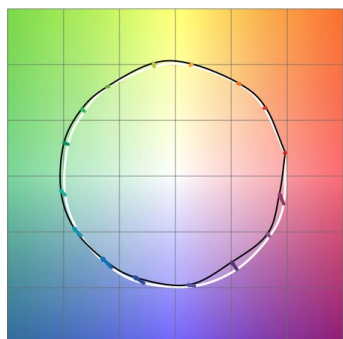
Rw: 120



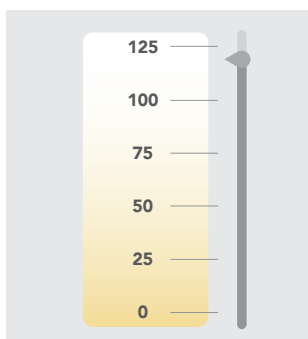
380 Wavelength (nm) 780

CRI: 95, R9: 95

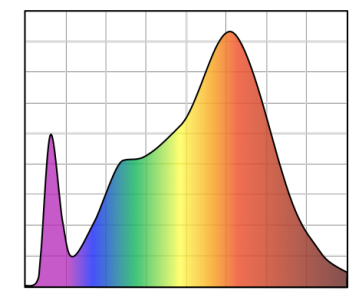
**VIVID
3000K**



Rf: 90, Rg: 100, Rfh1: 95



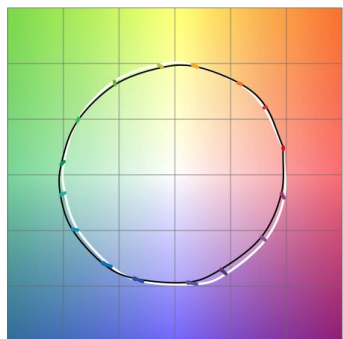
Rw: 120



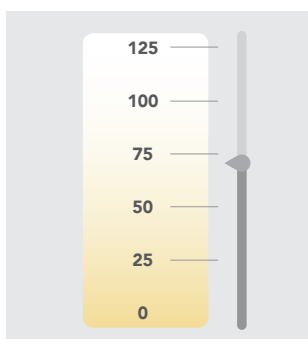
380 Wavelength (nm) 780

CRI: 95, R9: 95

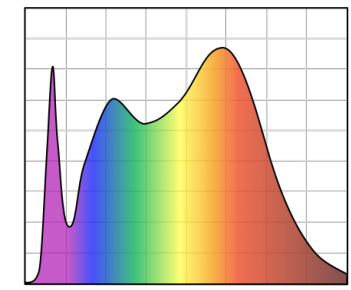
**VIVID
4000K**



Rf: 90, Rg: 100, Rfh1: 95



Rw: 70



380 Wavelength (nm) 780

CRI: 95, R9: 95