# S\*RAA VIVID LED PAR 30 SHORT 3000K 18.5W



OUTPUT	1100-2 <mark>4100 CBCP, 10</mark> 00 Lumens
BEAM	9°, 2 <mark>5°, 36°, 60°</mark>
COLOR	CCT: 3000K CRI>95, R9 95
APPLICATION	Halogen replacement for indoor and outdoor applications

#### **PERFORMANCE**

CBCP matches standard incandescent and halogen lamps

Single light source, single crisp shadow

Narrow spot compatible with Soraa SNAP System accessories

#### **COLOR AND WHITENESS**

Rich full-spectrum color rendering

Excellent color stability

Superior white rendering based on >70% excitation of Optical Brightening Agents (OBA) with spectral emission between 400nm and 440nm

## **OPTIMIZED FORM**

Compatible with standard fixtures

Proprietary fanless aluminum design for superior thermal dissipations

### HIGHLY COMPATIBLE

Works with trailing edge and leading edge phase cut dimmers (see complete list at www.soraa.com)

#### LONG LIFE, LOW MAINTENANCE

Life of 35,000 hours. Three year warranty

120V

3000K

**CRI** 

DIM

## **ENERGY EFFICIENT**

80% more energy efficient than standard halogen lamps

Typical payback of one year or less

## INTENDED USE AND APPLICATIONS

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

Can be used in fully enclosed fixtures

Operating Temperature - Minimum: -40°C (ambient), Typical: 80-110°C (base), Maximum: 120°C (base)

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

Suitable for damp locations

# **CERTIFICATIONS**

UL, CUL, FCC 47 CFR Part 15 and Part 18 (EMI), RoHS

## **SPECIFICATIONS\***

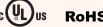
Color	Electrical	Form Factor
CCT: 3000K	Dimmable to 20%	Width: 3.78"
CRI>95, R9>95	Power factor: 0.90	Height: 3.23"
White point: Within 3-step McAdam ellipse	Voltage: 120V +/- 12V	Weight: 269g



Reference Number	Product Code	Beam	Field	СВСР	Watts	Halogen Equiv**	Lumen	Lm/W
SP30S-18-09D-930-03	00837	9°	13°	24100	18.5	100W	1000	54
SP30S-18-25D-930-03	00839	25°	38°	5400	18.5	100W	1000	54
SP30S-18-36D-930-03	00841	36°	53°	2500	18.5	100W	1000	54
SP30S-18-60D-930-03	00843	60°	82°	1100	18.5	100W	1000	54

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





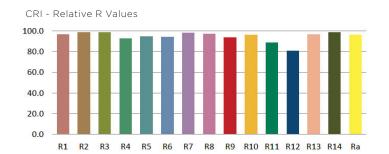
<sup>\*\*</sup>Energy Star minimum

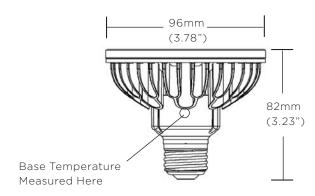
# **PHOTOMETRICS**

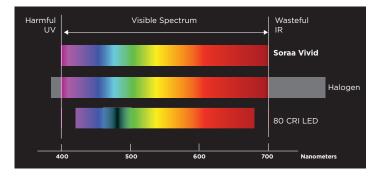
Narrow Spot 9°		Narrow Flood 25°		25°	Distance to Floor	Flood 36°			Wide Flood 60°				
Beam Dia at 50% CBCP (ft)	Field Dia at 10% CBCP (ft)	Foot- can- dles	Beam Dia at 50% CBCP (ft)	Field Dia at 10% CBCP (ft)	Foot- can- dles	(Feet)	Beam Dia at 50% CBCP (ft)	Field Dia at 10% CBCP (ft)	Foot- can- dles	Di 50	eam ia at 0% BCP t)	Field Dia at 10% CBCP (ft)	Foot- can- dles
0.42	0.68	2678	1.33	2.07	600	33	1.95	2.99	278	3.	46	5.22	122
0.84	1.37	669	2.66	4.13	150	66	3.90	5.98	69	6.	93	10.43	31
1.26	2.05	298	3.99	6.20	67	99	5.85	8.97	31	10	).39	15.65	14
1.68	2.73	167	5.32	8.26	38	12——12	7.80	11.97	17	13	.86	20.86	8
2.10	3.42	107	6.65	10.33	24	15—————————————————————————————————————	9.75	14.96	11	17.	.32	26.08	5

# **COLOR RENDERING**

## **DIMENSIONS**







## 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.