

SORAA[®] VIVID LED PAR 30 SHORT 4000K 18.5W



| | |
|--------------------|---|
| OUTPUT | 1140-25060 CBCP, 1040 Lumens |
| BEAM | 9°, 25°, 36°, 60° |
| COLOR | CCT: 4000K 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)

SPECIFICATIONS*

| Color | Electrical | Form Factor |
|---|-----------------------|---------------|
| CCT: 4000K | Dimmable to 20% | Width: 3.78" |
| CRI>95, R9>95 | Power factor: 0.90 | Height: 3.23" |
| White point: Within 4-step McAdam ellipse | Voltage: 120V +/- 12V | Weight: 269g |

| Reference Number | Product Code | Beam | Field | CBCP | Watts | Halogen Equip** | Lumen | Lm/W |
|---------------------|--------------|------|-------|-------|-------|-----------------|-------|------|
| SP30S-18-09D-940-03 | 00853 | 9° | 13° | 25060 | 18.5 | 100W | 1040 | 56 |
| SP30S-18-25D-940-03 | 00855 | 25° | 38° | 5600 | 18.5 | 100W | 1040 | 56 |
| SP30S-18-36D-940-03 | 00857 | 36° | 53° | 2600 | 18.5 | 100W | 1040 | 56 |
| SP30S-18-60D-940-03 | 00859 | 60° | 82° | 1140 | 18.5 | 100W | 1040 | 56 |

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

**Energy Star minimum

120V

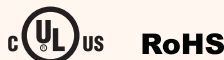


4000K

CRI >95



DIM



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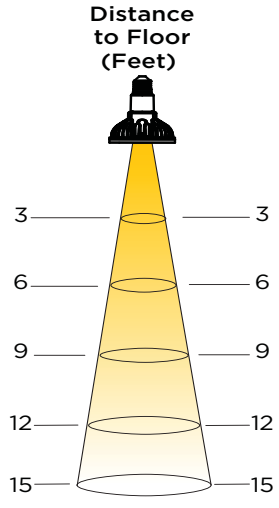
PHOTOMETRICS

Narrow Spot 9°

| Beam Dia at 50% CBCP (ft) | Field Dia at 10% CBCP (ft) | Foot-candles |
|---------------------------|----------------------------|--------------|
| 0.42 | 0.68 | 2784 |
| 0.84 | 1.37 | 696 |
| 1.26 | 2.05 | 309 |
| 1.68 | 2.73 | 174 |
| 2.10 | 3.42 | 111 |

Narrow Flood 25°

| Beam Dia at 50% CBCP (ft) | Field Dia at 10% CBCP (ft) | Foot-candles |
|---------------------------|----------------------------|--------------|
| 1.33 | 2.07 | 622 |
| 2.66 | 4.13 | 156 |
| 3.99 | 6.20 | 69 |
| 5.32 | 8.26 | 39 |
| 6.65 | 10.33 | 25 |



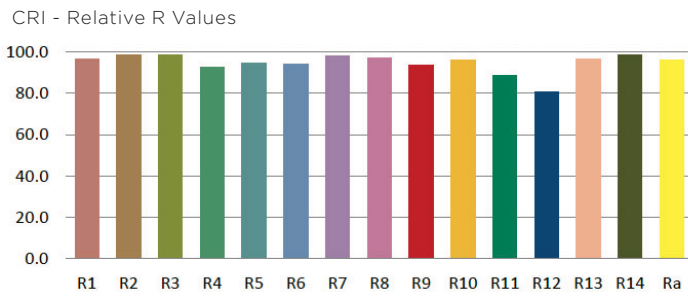
Flood 36°

| Beam Dia at 50% CBCP (ft) | Field Dia at 10% CBCP (ft) | Foot-candles |
|---------------------------|----------------------------|--------------|
| 1.95 | 2.99 | 289 |
| 3.90 | 5.98 | 72 |
| 5.85 | 8.97 | 32 |
| 7.80 | 11.97 | 18 |
| 9.75 | 14.96 | 12 |

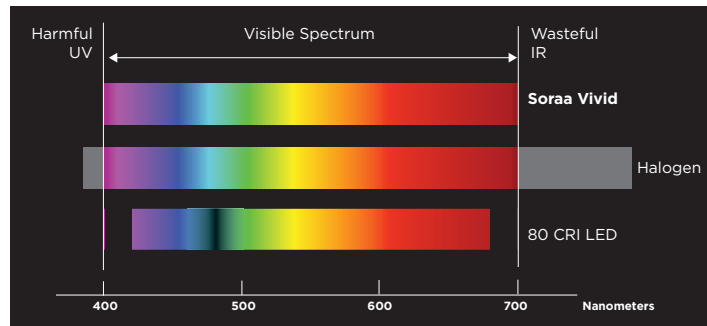
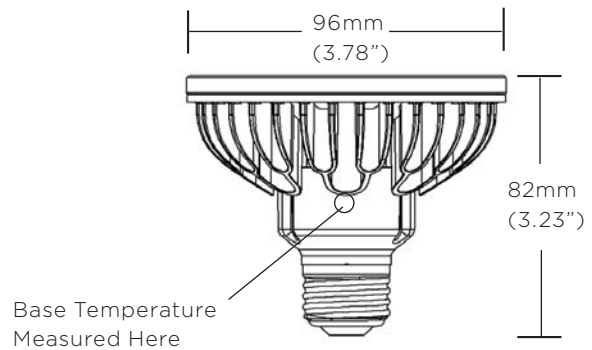
Wide Flood 60°

| Beam Dia at 50% CBCP (ft) | Field Dia at 10% CBCP (ft) | Foot-candles |
|---------------------------|----------------------------|--------------|
| 3.46 | 5.22 | 127 |
| 6.93 | 10.43 | 32 |
| 10.39 | 15.65 | 14 |
| 13.86 | 20.86 | 8 |
| 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.