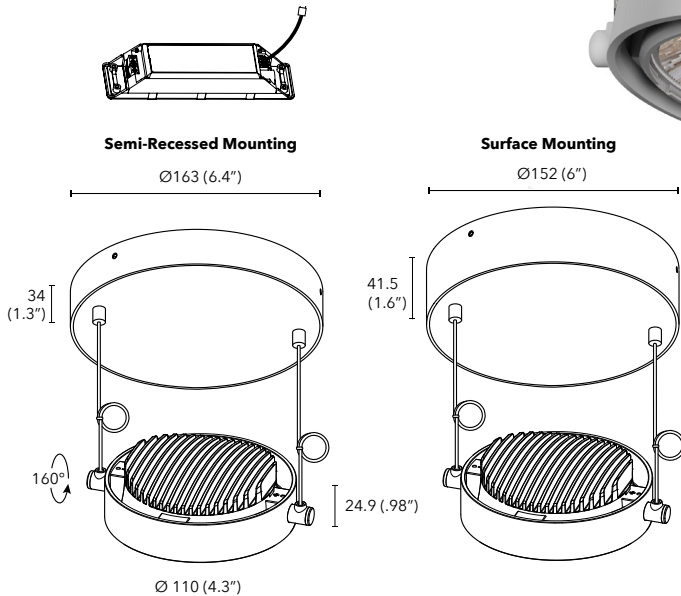


The Soraa Arc™ Pendant combines elegant design with Soraa's unique quality of light to create a dynamic and versatile solution for retail, hospitality, and residential applications. Soraa Arc gets its name from its unique die-cast curved heat sink, which features a form carefully engineered for optimal thermal performance. Soraa Arc is compatible with the Soraa SNAP System™, which allows you to shape beams, shift color, and more - in a snap.



Soraa VIVID™ LED

Soraa Full Spectrum integral LED Light Engine available in 2700K, 3000K, and 4000K with 95 CRI and 95 R9. IR and UV free.

Soraa Optics

Soraa optic technology with exceptional beam control and smooth uniform light distribution. The 9° beam version is compatible with Soraa SNAP System accessories.

Construction and Finish

Light engine is made of die cast aluminium, transformer case from extruded aluminum. Durable satin finish. Custom colors available. Tilt: 160°.

Applications

Suitable for damp or dry locations. For interior use only.

Electrical

220-240VAC electronic constant current LED driver (included). Frequency: 50/60Hz Power Factor: 0.93 Wattage: 20W

Dimming and Flicker

Dimmable to <1% Percent Flicker: < 30% Phase dimming standard Visit www.soraa.com for details

Installation

Suspended ceiling mounting with canopy. Includes spring loaded cable grippers and 2000 mm (78") of cable on both sides for easy, accurate mounting height and leveling adjustment. Excess cable fits within canopy. All mounting hardware included.

Operating Temperature

Minimum -40°C, 25°C typical.

Accessories

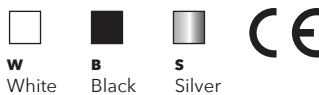
Luminaire accommodates both Arc accessories and Soraa SNAP System simultaneously.

Compliance

CE Compliant. Rated for damp locations.

Warranty

Five year warranty. See www.soraa.com.



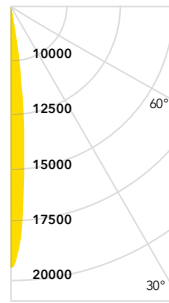
Build Your Luminaire Sample Number: ARP100-25D-927-E-SR-W-S3

| Series | Beam | CCT | Driver | Mounting | Finish | Region |
|--|-----------------------------|------------------|-------------------------------|-------------------------|-----------------|--------------------|
| ARP100 Soraa Arc Pendant, 100mm | 09D 9° Narrow Spot ☺ | 927 2700K | E 220-240VAC Phase Dim | SR Semi-recessed | B Black | S3 EU, APAC |
| | 25D 25° Narrow Flood | 930 3000K | ED 220-240VAC DALI | S Surface | W White | |
| | 36D 36° Flood | 940 4000K | E10 220-240VAC 0-10V | | S Silver | |
| | 60D 60° Wide Flood | | | | C Custom | |

Photometrics - Soraa Arc™ 100mm (4")

Data is shown for 3000K, for 2700K multiply Lux by 0.95, for 4000K by 1.04.

Narrow Spot 9°



| W | CCT | Lm | CBCP |
|----|------|------|----------|
| 20 | 2700 | 950 | 17500 cd |
| 20 | 3000 | 1000 | 18500 cd |
| 20 | 4000 | 1040 | 19240 cd |

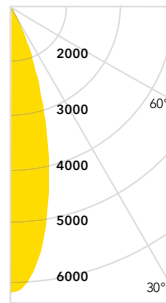
Candelas at Nadir

| | |
|-----|-------|
| 0° | 20732 |
| 5° | 9736 |
| 15° | 437 |
| 25° | 171 |
| 35° | 106 |
| 45° | 48 |



Soraa SNAP Compatible

Narrow Flood 25°

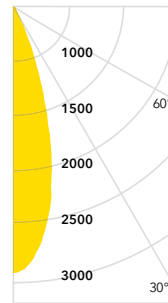


| W | CCT | Lm | CBCP |
|----|------|------|---------|
| 20 | 2700 | 995 | 5770 cd |
| 20 | 3000 | 1050 | 6090 cd |
| 20 | 4000 | 1090 | 6320 cd |

Candelas at Nadir

| | |
|-----|------|
| 0° | 5689 |
| 5° | 4891 |
| 15° | 1558 |
| 25° | 165 |
| 35° | 52 |
| 45° | 36 |

Flood 36°

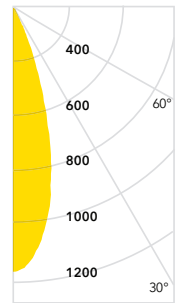


| W | CCT | Lm | CBCP |
|----|------|------|---------|
| 20 | 2700 | 995 | 2680 cd |
| 20 | 3000 | 1050 | 2830 cd |
| 20 | 4000 | 1090 | 2940 cd |

Candelas at Nadir

| | |
|-----|------|
| 0° | 2939 |
| 5° | 2759 |
| 15° | 1608 |
| 25° | 427 |
| 35° | 93 |
| 45° | 46 |

Wide Flood 60°



| W | CCT | Lm | CBCP |
|----|------|------|---------|
| 20 | 2700 | 995 | 1090 cd |
| 20 | 3000 | 1050 | 1150 cd |
| 20 | 4000 | 1090 | 1190 cd |

Candelas at Nadir

| | |
|-----|-----|
| 0° | 958 |
| 5° | 953 |
| 15° | 905 |
| 25° | 701 |
| 35° | 342 |
| 45° | 108 |

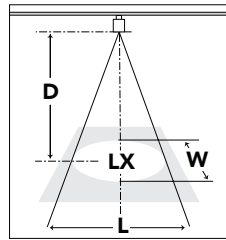
Aiming Angles

L and W refer to outer points where lux drops to 50% of maximum. LX refers to initial lux at the center of the beam.

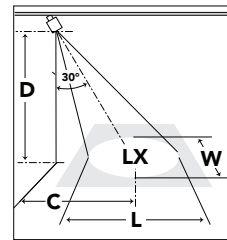
Key (distances in metres)

L Beam Distance **LX** Lux
D Distance **C** Distance to Center Beam
W Beam Width

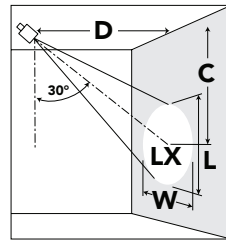
0° Horizontal



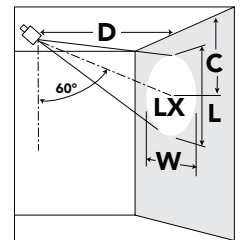
30° Horizontal



30° Vertical



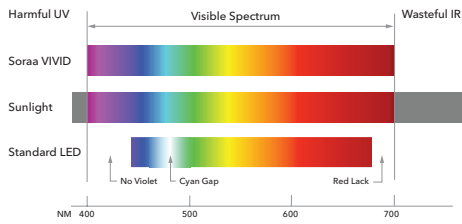
60° Vertical



| | D | LX | L | W | D | C | LX | L | W | D | C | LX | L | W | D | C | LX | L | W |
|-------------------------|-----|------|-----|-----|-----|-----|------|-----|-----|-----|-----|------|-----|-----|-----|-----|-------|-----|-----|
| Narrow Spot 9° | 1.8 | 5985 | 0.3 | 0.3 | 1.8 | 1.1 | 4090 | 1.6 | 1.4 | 0.6 | 1.1 | 6997 | 1.4 | 0.7 | 0.6 | 0.4 | 29773 | 0.2 | 0.4 |
| | 2.4 | 3466 | 0.4 | 0.4 | 2.4 | 1.5 | 2293 | 2.2 | 1.9 | 0.9 | 1.6 | 3197 | 2.1 | 1.0 | 0.9 | 0.6 | 14843 | 0.2 | 0.6 |
| | 3.0 | 2228 | 0.5 | 0.5 | 3.0 | 1.8 | 1464 | 2.7 | 2.3 | 1.2 | 2.1 | 1841 | 2.7 | 1.4 | 1.2 | 0.8 | 8686 | 0.3 | 0.8 |
| | 3.7 | 1561 | 0.6 | 0.6 | 3.7 | 2.1 | 1044 | 3.2 | 2.8 | 1.5 | 2.6 | 1195 | 3.4 | 1.7 | 1.5 | 1.0 | 5705 | 0.3 | 1.0 |
| Spot 15° | 1.8 | 1690 | 0.7 | 0.7 | 1.8 | 1.1 | 1130 | 2.1 | 1.8 | 0.6 | 1.2 | 2465 | 1.7 | 0.9 | 0.6 | 0.4 | 9849 | 0.3 | 0.9 |
| | 2.4 | 947 | 0.9 | 0.9 | 2.4 | 1.5 | 646 | 2.8 | 2.3 | 0.9 | 1.7 | 1109 | 2.5 | 1.3 | 0.9 | 0.6 | 4478 | 0.4 | 1.3 |
| | 3.0 | 614 | 1.1 | 1.1 | 3.0 | 1.8 | 420 | 3.4 | 2.9 | 1.2 | 2.3 | 624 | 3.3 | 1.8 | 1.2 | 0.8 | 2540 | 0.6 | 1.7 |
| | 3.7 | 431 | 1.3 | 1.3 | 3.7 | 2.2 | 291 | 4.1 | 3.5 | 1.5 | 2.8 | 420 | 4.1 | 2.1 | 1.5 | 1.0 | 1636 | 0.7 | 2.1 |
| Narrow Flood 25° | 1.8 | 883 | 1.0 | 1.0 | 1.8 | 1.2 | 614 | 2.9 | 2.5 | 0.6 | 1.3 | 1625 | 2.1 | 1.2 | 0.6 | 0.4 | 5414 | 0.4 | 1.2 |
| | 2.4 | 495 | 1.3 | 1.3 | 2.4 | 1.5 | 344 | 3.8 | 3.3 | 0.9 | 1.8 | 732 | 3.1 | 1.8 | 0.9 | 0.6 | 2433 | 0.6 | 1.8 |
| | 3.0 | 323 | 1.6 | 1.6 | 3.0 | 1.9 | 226 | 4.6 | 4.1 | 1.2 | 2.3 | 409 | 4.1 | 2.4 | 1.2 | 0.8 | 1378 | 0.8 | 2.3 |
| | 3.7 | 226 | 1.9 | 1.9 | 3.7 | 2.2 | 161 | 5.5 | 4.9 | 1.5 | 2.8 | 269 | 5.1 | 2.9 | 1.5 | 1.0 | 893 | 1.0 | 2.9 |
| Flood 36° | 1.8 | 291 | 1.8 | 1.8 | 1.8 | 1.3 | 248 | 3.8 | 3.5 | 0.6 | 1.3 | 1033 | 2.1 | 1.5 | 0.6 | 0.5 | 2153 | 0.5 | 1.9 |
| | 2.4 | 172 | 2.3 | 2.3 | 2.4 | 1.6 | 140 | 5.0 | 4.6 | 0.9 | 1.8 | 474 | 3.2 | 2.2 | 0.9 | 0.7 | 969 | 0.8 | 2.7 |
| | 3.0 | 108 | 2.9 | 2.9 | 3.0 | 1.9 | 97 | 6.2 | 5.5 | 1.2 | 2.2 | 258 | 4.2 | 3.0 | 1.2 | 1.0 | 549 | 1.0 | 3.7 |
| | 3.7 | 75 | 3.2 | 3.2 | 3.7 | 2.0 | 65 | 7.5 | 6.6 | 1.5 | 2.5 | 172 | 5.1 | 3.6 | 1.5 | 1.2 | 355 | 1.2 | 4.5 |

Soraa Arc™ Color and Whiteness Rendering

| CCT | CRI | R9 | Rf | Rg | Rfh1 | Rw | McA |
|------|-----|----|----|-----|------|-----|-----|
| 2700 | 95 | 95 | 90 | 100 | 95 | 120 | 3 |
| 3000 | 95 | 95 | 90 | 100 | 95 | 120 | 3 |
| 4000 | 95 | 95 | 90 | 100 | 95 | 70 | 4 |



Soraa has engineered the perfect balance between color rendering and white rendering. Soraa's core technology uses a violet LED emitter as the basis for full spectrum light. This allows both Vivid™ color rendering and Natural White™ white rendering, which creates whiteness by exciting fluorescing agents with violet radiation, without the harmful effect of UV.

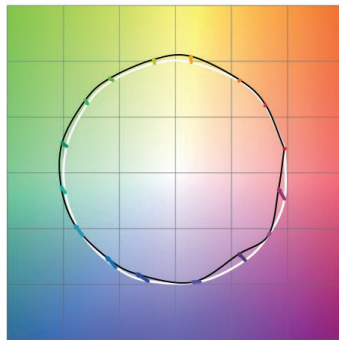
Rf: The TM-30 metric for color fidelity (similarity to colors under natural light), a more accurate version of the CRI Ra. Rf is 100 for natural light.

Rg: The TM-30 metric for color gamut (whether colors are more saturated than under natural light). Rg is 100 for natural light.

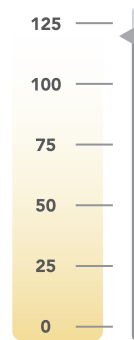
Rfh1: The TM-30 metric for color fidelity for red tones. Rfh1 is a more accurate version of the CRI R9. Rfh1 is 100 for natural light.

Rw: The Soraa-developed metric for white fidelity. Rw measures the magnitude of excitation of whitening agents within white materials. Rw is 100 for natural light.

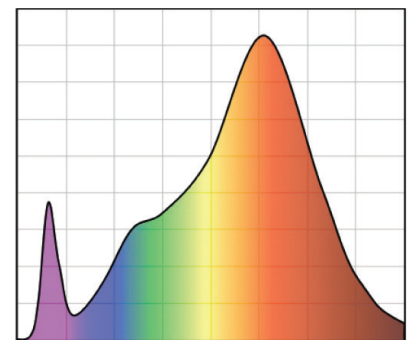
2700K



Rf: 90, Rg: 100, Rfh1: 95

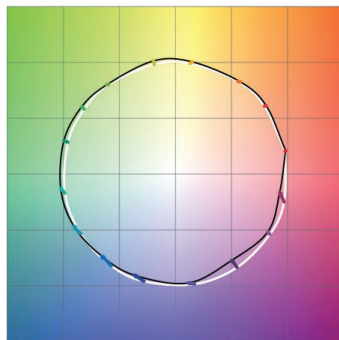


Rw: 120

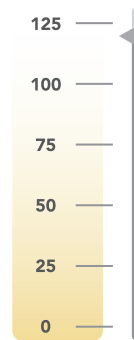


CRI: 95, R9: 95

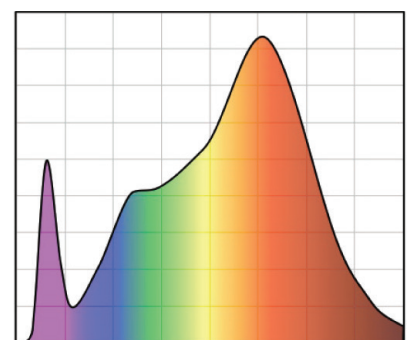
3000K



Rf: 90, Rg: 100, Rfh1: 95

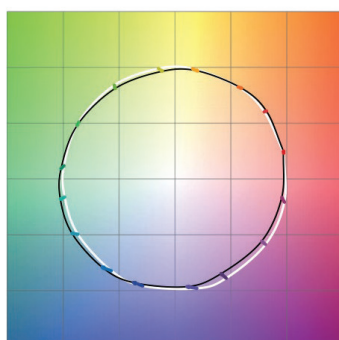


Rw: 120

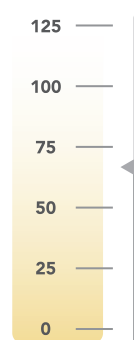


CRI: 95, R9: 95

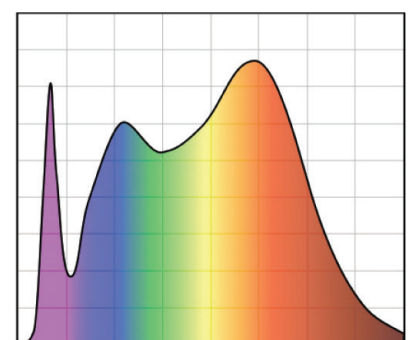
4000K



Rf: 90, Rg: 100, Rfh1: 95



Rw: 70



CRI: 95, R9: 95