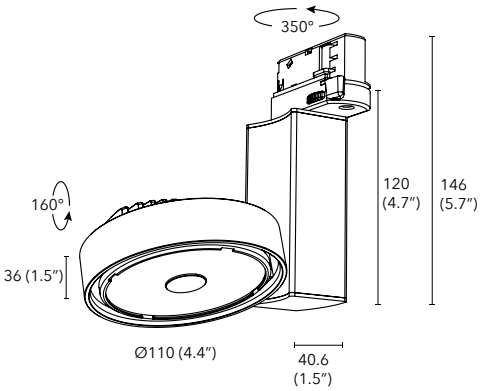
100mm (4”) LED Track Light - 220-240VAC

SORAA arc™

The Soraa Arc™ Track light 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 Soraa SNAP™, 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 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°, rotation: 350°.

Electrical
220-240VAC fully integral LED electronic constant current 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

Operating Temperature
Minimum -40°C, 25°C typical.

W White **B** Black **S** Silver

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

Accessories
Luminaire accommodates both Arc accessories and Soraa SNAP simultaneously.

Compliance
CE Compliant.

Warranty
Five year warranty. See www.soraa.com.

Full Spectrum · Natural White · No IR · No UV · Dimmable · CRI 95 · R9 95 · Soraa SNAP Compatible · IP 20

Build Your Luminaire

Sample Number: ART100-09D-927-U-H-W-S3

Series
ART50 Soraa Arc Track, 50mm

Beam & Wattage
09D 9° Narrow Spot
25D 25° Narrow Flood
36D 36° Flood - 18W

CCT
927 2700K
930 3000K
940 4000K

Driver
E 220-240VAC Phase Dim

Data Capable
ED 220-240VAC DALI
E10 220-240VAC 0-10V

Track Compatibility
G 3 circuit 3C1N (Nordic)
G1 1 Circuit 1C1N (Nordic)
GC 3 circuit with data 3C1N+D (Nordic)
GS 3 circuit with data, 3C1N+D (Stucchi)
(Consult Factory for Eutrac & other adapters)

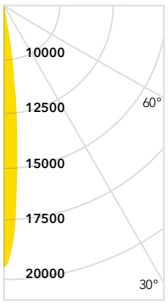
Finish
B Black
W White
S Silver
C Custom

Region
S3 EU, APAC

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°



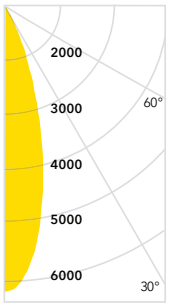
W	CCT	Lm	CBCP
20	2700	950	17500 cd
20	3000	1000	18500 cd
20	4000	1040	19240 cd

Candelas at Nadir

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

Soraa SNAP Compatible

Narrow Flood 25°

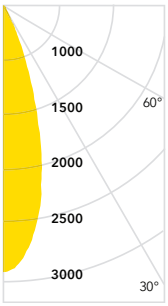


W	CCT	Lm	CBCP
20	2700	995	5770 cd
20	3000	1050	6090 cd
20	4000	1090	6320 cd

Candelas at Nadir

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

Flood 36°

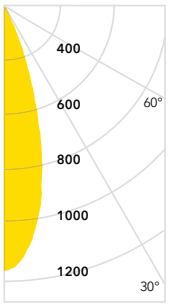


W	CCT	Lm	CBCP
20	2700	995	2680 cd
20	3000	1050	2830 cd
20	4000	1090	2940 cd

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

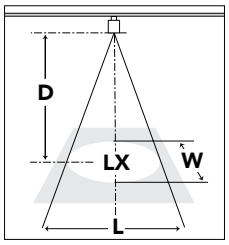
Aiming Angles

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.

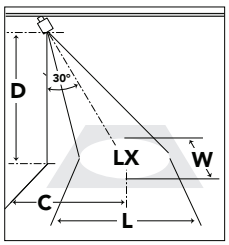
Key

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

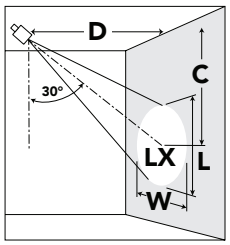
0° Horizontal



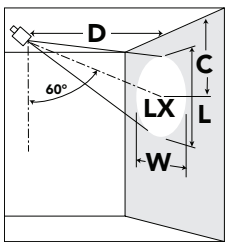
30° Horizontal



30° Vertical



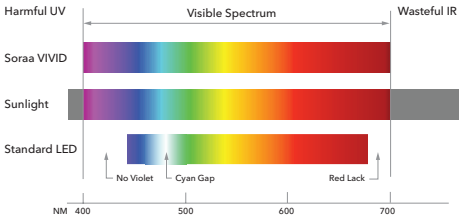
60° Vertical



	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.

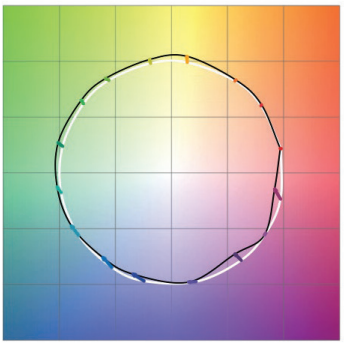
Rf: The TM-30 metric for color fidelity (similarity to colors under natural light), a more accurate version of the CRI Ra. Rf is 100 for natural light.

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

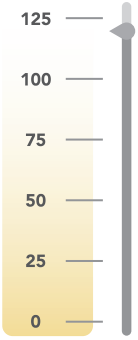
Rfh1: The TM-30 metric for color fidelity for red tones. Rfh1 is a more accurate version of the CRI R9. Rfh1 is 100 for natural light.

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.

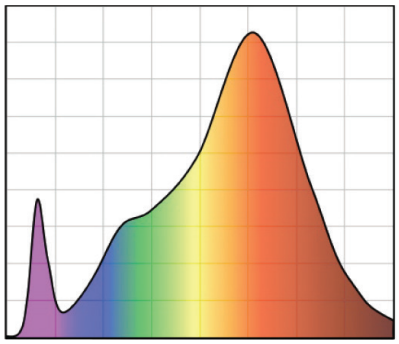
2700K



Rf: 90, Rg: 100, Rfh1: 95

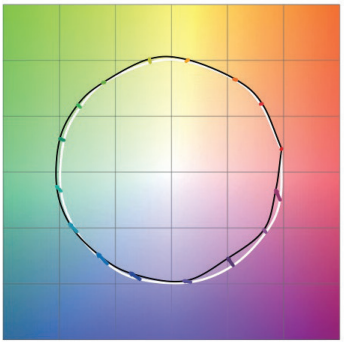


Rw: 120

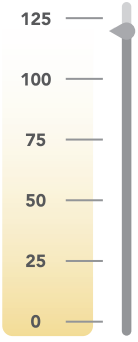


CRI: 95, R9: 95

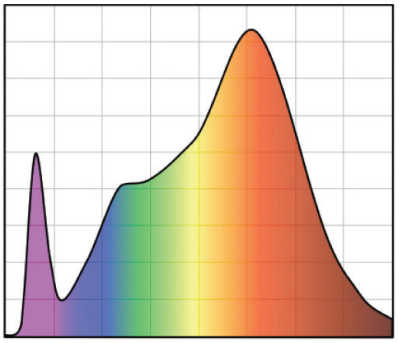
3000K



Rf: 90, Rg: 100, Rfh1: 95

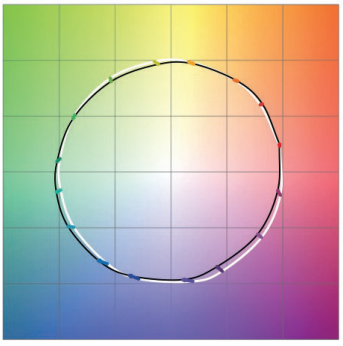


Rw: 120

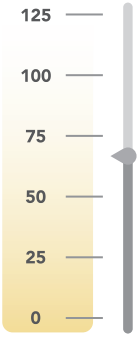


CRI: 95, R9: 95

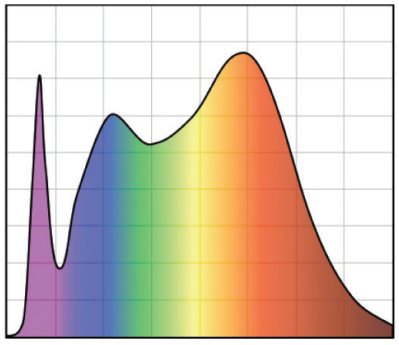
4000K



Rf: 90, Rg: 100, Rfh1: 95



Rw: 70



CRI: 95, R9: 95