

SORAA aerial™

CYLINDER 65mm (2.5") 120VAC



Output		Color & Optics		Mounting
Lumens	505-1017	CCT	2700K, 3000K, 4000K	Surface
CBCP	2347-8090	CRI	95	
		R9	>95	
		Rw	100	
		SDCM	3-step McA nominal	
Operation		Electrical		
Efficacy	47-57 lm/W	Input Voltage	120-277VAC,	
Ambient Operating Temp.	Minimum -40°C, 25°C typical	Input Current @120V (Max)	0.10A	
Lifetime	L70/B50=25,000 hrs	Frequency	50/60Hz	
Warranty	5 years	Power Factor	0.93	
		Wattage	11W, 17W, 18W	
		Dimming	to 1%	



SORAA VIVID™ LED & SORAA OPTICS

Soraa Full Spectrum 95CRI, 95R9 integral LED Light Engine. Soraa optics technology with exceptional beam control and smooth uniform light distribution. The 10° and 15° beam versions are compatible with Soraa SNAP accessories.

CONSTRUCTION & FINISH

Light engine is made of die cast aluminium, cylinder case from extruded aluminum. Durable matte finish. Custom finish combinations and colors available. Bezel with light engine is replaceable.

APPLICATIONS

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

INSTALLATION

Surface mounting. Luminaire to be fixed to ceiling with screws and screw anchors (by others). Optional canopy accessory available with or without knockouts in matching colors. Requires 4" junction box with 1.5" or 2.125" depth and 1.75" device cover (Not included).

ELECTRICAL

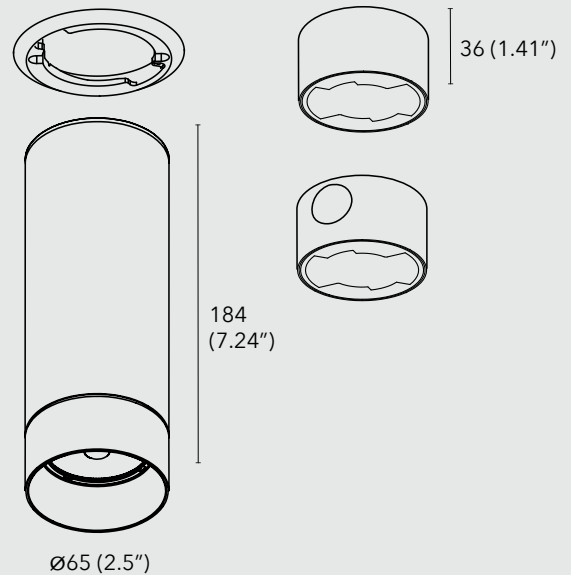
120-277VAC integrated LED electronic constant current driver (included). Phase dim only at 120VAC. Frequency: 50/60Hz

COMPLIANCE

cULus Listed. Damp location rated. FCC CFR Title 47 Part 15 Class B compliant.

Luminaire

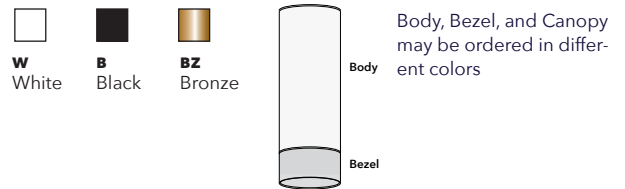
Optional Canopy accessories



SORAA
SIMPLY PERFECT LIGHT

LUMINAIRE Sample Number: ALS65 -10D - 9530 - U - BBZ

Series	Aperture	Beam & Wattage	CRI/CCT	Driver	Color (Body/Bezel)
ALS Soraa Aerial Surface Mount	65 65mm	10D 10° Narrow Spot 11W 15D 15° Narrow Spot 17W ☺ 25D 25° Narrow Flood 18W ☺ 36D 36° Flood 18W	9527 95/2700K 9530 95/3000K 9540 95/4000K	U Universal 120-277VAC, Triac & ELV only at 120VAC	BB Black/Black BW Black/White BBZ Black/Bronze WB White/Black WW White/White WBZ White/Bronze BZB Bronze/Black BZW Bronze/White BZBZ Bronze/Bronze CC Custom/Custom



OPTIONAL ACCESSORIES Sample Number: ALA - C - K - BZ

Series	Type	Knockout	Color
ALA Aerial Accessory	C Canopy/Junction Box	K With Knockouts O Without Knockouts	B Black W White BZ Bronze C Custom

SORAA VIVID™ COLOR & WHITENESS RENDERING

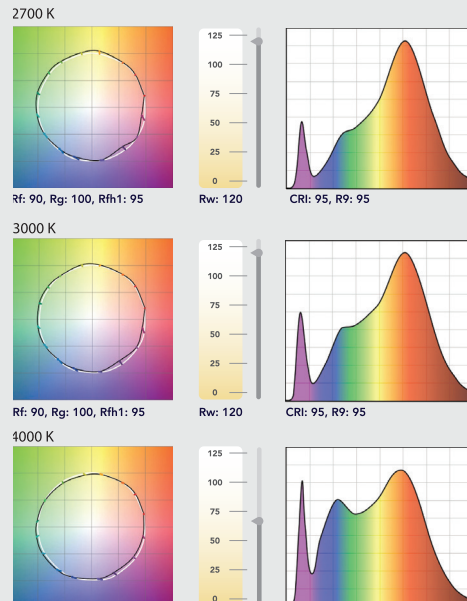
CCT	CRI	R9	Rf	Rg	Rfh1	Rw	McA
2700	95	95	90	100	95	120	3
3000	95	95	90	100	95	120	3
4000	95	95	90	100	95	70	4

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.

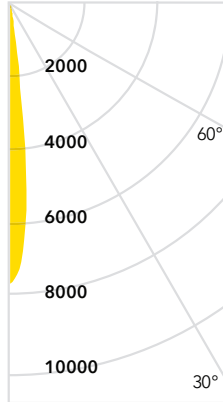


PHOTOMETRICS

Narrow Spot 10°



Soraa SNAP Compatible



W	CCT	Lm	CBCP
11	2700	505	7360 cd
11	3000	535	7800 cd
11	4000	555	8090 cd

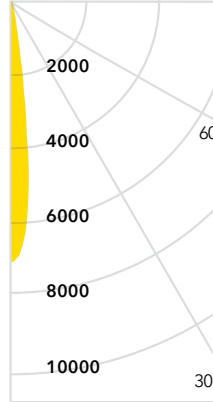
Candelas at Nadir

0°	8139
5°	5415
15°	248
25°	91
35°	54
45°	25

Spot 15°



Soraa SNAP Compatible

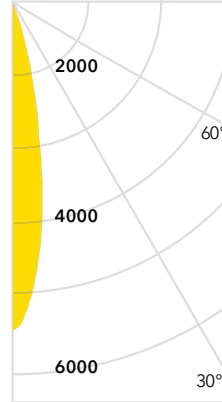


W	CCT	Lm	CBCP
17	2700	802	6622 cd
17	3000	848	6994 cd
17	4000	880	7254 cd

Candelas at Nadir

0°	6994
5°	6074
15°	500
25°	184
35°	73
45°	48

Narrow Flood 25°

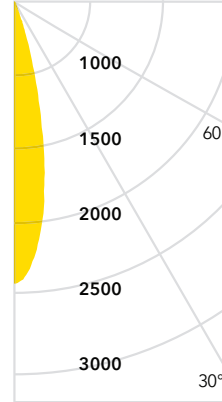


W	CCT	Lm	CBCP
18	2700	929	5052 cd
18	3000	978	5318 cd
18	4000	1017	5529 cd

Candelas at Nadir

0°	5318
5°	4495
15°	1485
25°	164
35°	47
45°	24

Flood 36°

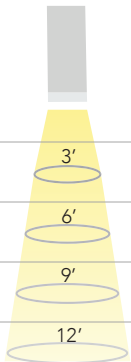


W	CCT	Lm	CBCP
18	2700	929	2347 cd
18	3000	978	2476 cd
18	4000	1017	2567 cd

Candelas at Nadir

0°	2510
5°	2427
15°	1547
25°	523
35°	104
45°	31

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



Beam	Field	FC	
3'	15.7	31.5	223
6'	19.7	43.3	127
9'	23.6	47.2	82
12'	31.5	63.0	58

Beam	Field	FC
19.7	39.4	226
23.6	47.2	127
31.5	63.0	82
35.4	78.7	57

Beam	Field	FC
27.6	55.1	164
35.4	78.7	93
43.3	86.6	61
51.2	102.4	43

Beam	Field	FC
39.4	78.7	78
51.2	102.4	45
63.0	126.0	29
74.8	149.6	21

Beam = Dia at 50% CBCP (inches)

Field = Dia at 10% CBCP (inches)

FC = Footcandles