

# SORAA aerial™

## CYLINDER 65mm (2.5") 120VAC



Output		Color & Optics		Mounting
<b>Lumens</b>	880-1040	<b>CCT</b>	2700K, 3000K, 4000K	<b>Surface Pendant</b> <b>Recessed Pendant</b> <b>Track Pendant</b>
<b>CBCP</b>	2560-8380	<b>CRI</b>	95	
		<b>R9</b>	>95	
		<b>Rw</b>	100	
		<b>SDCM</b>	3-step McA nominal	

Operation		Electrical	
<b>Efficacy</b>	48-58 lm/W	<b>Input Voltage</b>	120-277VAC, 50/60hz
<b>Ambient Operating Temp.</b>	Minimum -40°C, 25°C typical	<b>Input Current @120V (Max)</b>	0.10A
<b>Lifetime</b>	L70/B50=25,000 hrs	<b>Frequency</b>	50/60Hz
<b>Warranty</b>	5 years	<b>Power Factor</b>	0.93
		<b>Wattage</b>	11W, 17W, 18W
		<b>Dimming</b>	to 1%



### SORAA VIVID™ LED & SORAA OPTICS

Soraa Full Spectrum integral LED Light Engine. Soraa optic 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 aluminium. Durable matte finish. Custom finish combinations and colors available.

### APPLICATIONS

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

### INSTALLATION

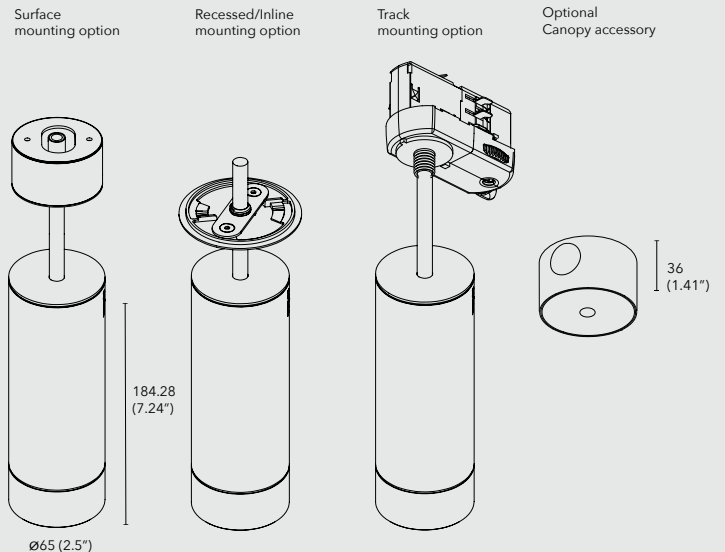
Surface mounting. Luminaire to be fixed to ceiling with screws and screw anchors (by others). Optional canopy accessory available with or without knockouts in matching colors. Requires 4" junction box with 1.5" or 2.125" depth and 1.75" device cover (Not included). Braided sleeve cable supplied with standard length of 69" (175 cm).

### ELECTRICAL

120-277VAC integrated LED electronic constant current driver (included). Frequency: 50/60Hz .Triac, ELV, and 0-10V dimming options are available, phase dim only at 120Vac, 0-10V dimming options at 120-277V.



### COMPLIANCE

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

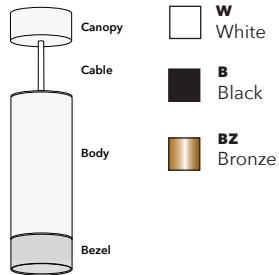


**SORAA**<sup>®</sup>  
SIMPLY PERFECT LIGHT

LUMINAIRE Sample Number: ALP65 -10D - 9530 - U - T - BBZ - CB - J

Series	Aperture	Beam & Wattage	CRI/CCT	Driver	Mounting
<b>ALP</b> SoraA Aerial Pendant Mount	65 65mm	<b>10D</b> 10° Narrow Spot 11W	<b>9527</b> 95/2700K	<b>U</b> Universal 120-277VAC, Triac & ELV only at 120VAC <b>U10</b> 0-10V Dimming	<b>S</b> Surface <b>R</b> Recessed/Inline <b>T</b> Track
		<b>15D</b> 15° Narrow Spot 17W 	<b>9530</b> 95/3000K		
		<b>25D</b> 25° Narrow Flood 18W 	<b>9540</b> 95/4000K		
		<b>36D</b> 36° Flood 18W			

Body, Bezel, Cable and Canopy may be ordered in different colors



### Color (Body/Bezel)

<b>BB</b>	Black/Black
<b>BW</b>	Black/White
<b>BBZ</b>	Black/Bronze
<b>WB</b>	White/Black
<b>WW</b>	White/White
<b>WBZ</b>	White/Bronze
<b>BZB</b>	Bronze/Black
<b>BZW</b>	Bronze/White
<b>BZBZ</b>	Bronze/Bronze
<b>CC</b>	Custom/Custom

### Cable

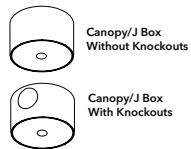
<b>CB</b>	Black
<b>CW</b>	White
<b>CX</b>	Custom

### Track Adapter\* (with track mount)

<b>J</b>	Juno
<b>H</b>	Halo
<b>L</b>	Lightolier
<b>LS</b>	LSI

\* Track adapter color is black when ordered with black or bronze luminaire body color, white when ordered with white body color

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



### Series

**ALA** Aerial Accessory

### Type

**C** Canopy/Junction Box

### Knockout

**K** With Knockouts  
**O** Without Knockouts

### Color

**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

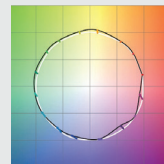
**Rf:** The TM-30 metric for color fidelity (similarity to colors under natural light), a more accurate version of the CRI Ra. Rf is 100 for natural light.

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

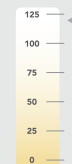
**Rfh1:** The TM-30 metric for color fidelity for red tones. Rfh1 is a more accurate version of the CRI R9. Rfh1 is 100 for natural light.

**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.

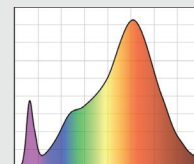
2700 K



Rf: 90, Rg: 100, Rfh1: 95

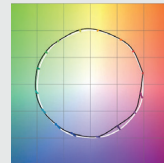


Rw: 120

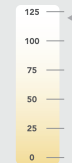


CRI: 95, R9: 95

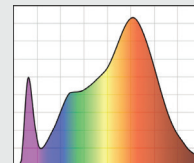
3000 K



Rf: 90, Rg: 100, Rfh1: 95

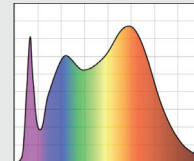
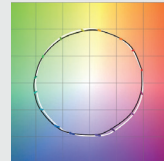


Rw: 120



CRI: 95, R9: 95

4000 K

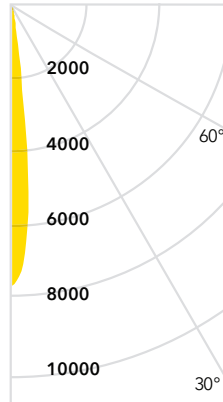


### PHOTOMETRICS

#### 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

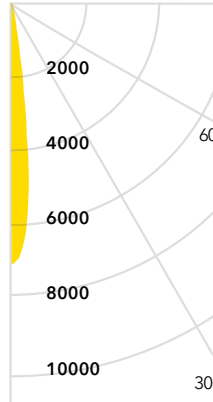
#### Candelas at Nadir

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

#### Spot 15°



Soraa SNAP Compatible

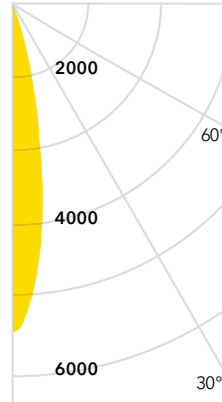


W	CCT	Lm	CBCP
17	2700	802	6622 cd
17	3000	848	6994 cd
17	4000	880	7254 cd

#### Candelas at Nadir

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

#### Narrow Flood 25°

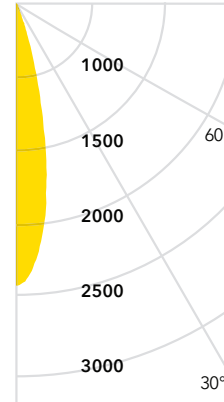


W	CCT	Lm	CBCP
18	2700	929	5052 cd
18	3000	978	5318 cd
18	4000	1017	5529 cd

#### Candelas at Nadir

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

#### Flood 36°

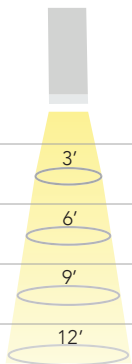


W	CCT	Lm	CBCP
18	2700	929	2347 cd
18	3000	978	2476 cd
18	4000	1017	2567 cd

#### 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	223
6'	19.7	127
9'	23.6	82
12'	31.5	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