

SORAA®



www.cocolighting.com

COCO
LIGHTING

SORAA®

There is one true light that drives our emotions, our clocks, and our perceptions.

Soraa® was founded to replicate this light, return us to what comes naturally, and bring the **OUTSIDE IN.**

"It is very satisfying to see my dream of LED lighting has become a reality."

- Shuji Nakamura, Founder of Soraa Inc.



LIGHT, AND VISION.



Soraa®, has been leading the way in innovative LED lighting technology since its

founding by Nobel Prize winning scientist, Shuji Nakamura, in 2008. Soraa's unique

approach to LED design and meticulous construction are focused on one primary

goal: perfect rendering of white and all colors of the visible spectrum, just as nature

intended them to be seen.



LIFE IS THE CANVAS. LIGHT IS THE BRUSH. RENDER THEM SPEECHLESS.

SORAA[®]

QUALITY OF LIGHT MATTERS.

Soraa pioneered full spectrum color rendering LED light, the heart of which is our

proprietary LED technology manufactured in California, a technological breakthrough

that we further enhance by focusing on every aspect of producing the most natural

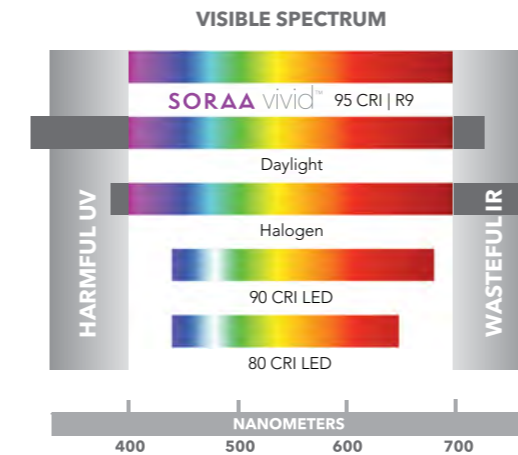
light possible.

Color.



SORAA VIVID COLOR™

Behaviors, emotions, well-being and human interactions depend on seeing colors as they were meant to be. Since natural light starts at violet and ends at red, the accurate rendering of color requires light to have the right amount of spectral content in every wavelength from 400nm to 700nm.



Soraa harnesses cutting-edge color science, as the only LED that spans the visible spectrum from violet through deep red (R9) along with the state-of-the-art TM-30 color rendition method, revealing a natural saturation and precise rendering of specific colors.

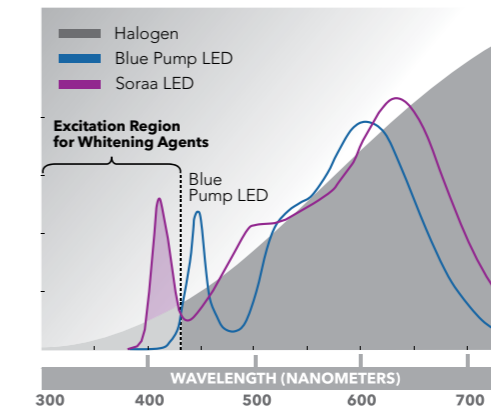
White.



SORAA NATURAL WHITE™

Color scientists have long known that violet light plays an important role in our perception of another color—white. The myriad shades of white are ubiquitous in our environment, conveying emotions of clarity, brightness and space. Manufacturers and marketers strive to create ever whiter whites with fluorescing brightening agents. But the color of light that allows us to see true whites is violet.

As the only LED that spans the violet spectrum, Soraa is leading innovation in this field, having developed its own calculation method to render white tones faithfully. This is the foundation for Soraa's Natural White technology, carefully optimizing these techniques to result in infinite shades of white—just as found in natural light.



Red.



HIGH R9 VALUE

From violet through deep red with an R9 rating nearly identical to the Sun, Soraa Vivid™ makes every color come alive.

The color rendering index (CRI) is based on eight pastel colors, and none of them red. So a bright red tone (R9) was added. A high CRI without a strong R9 can mean lifeless skin tones and reds, without the vibrancy that comes from this critical color. R9 values range from -100 to the +100 of natural sunlight. Soraa Vivid has an R9 value of +95, among the highest available anywhere. So reds come alive and saturate the senses.

Optics.



BEAM AND SHADOW

The superior light spectrum created by Soraa technology goes hand-in-hand with uncompromising optical quality. Whether the precision-cut prismatic lenses in our lamps, or the highly engineered, optical light guides in our ambient fixtures, the light we produce is characterized by uniformity, and crispness. So, while our light begins by rendering colors, whites, and reds perfectly, it completes the scene by finishing in sharp, clean shadows and beams.



EYES ON.

If you have never heard of Soraa before, there's a good chance we have inspired you in your favorite museum, store, hotel or restaurant. Professionals choose our products for their unmatched quality of light, bringing atmosphere and emotion to the amazing spaces they design.

"Soraa has transformed our paintings and sculptures and patrons' experience and reactions to them, which is something that has really given us an advantage."

- Marc Langlois, Lighting Designer, Detroit Institute of Arts





SORAA Snap System™

BE THE MASTER OF PERCEPTION.



LAMPS



SORAA vivid™
SORAA brilliant™

From inception, Soraa lamps have been unique in the world of LEDs. The proprietary GaN on GaN technology that we employ allows us to create LED light with a spectrum that spans violet through deep red, mimicking the natural range of sunlight. Coupled with Point Source Optics for crisp, defined shadows, and a highly efficient design, they are easy on power without sacrificing the light quality that was previously the domain of halogens.

And, in addition to the look of light, we have addressed and innovated around noise, flicker, deep dimming, and health.


Unmatched quality of light is our standard. And to achieve this, we have created unmatched quality in LED lamps... that are anything but standard.

Where environments demand the ultimate light quality, Soraa lamps can make the difference. From museums, to hospitality, to retail and grand public spaces, we have a way to render it well.

For specifications, photometrics, and compatibility details visit soraa.com.

LAMPS

SURSOCK MUSEUM
BEIRUT





DIRECTIONAL FIXTURES



SORAA arc™

With the introduction of Soraa Arc™, Stunning form follows remarkable function in fixtures engineered around an ultra thin profile die-cast heat sink. Optimized for superior thermal management and endowed with Soraa's signature quality of light, they feature rich colors, perfectly rendered whites, and clean, crisp beams. Soraa Arc fixtures are available in multiple mounting styles and finishes, and feature our unique Snap™ system for total control over lighting design. For a wide range of applications, from museums and hospitality to retail and residential, this is lighting at the top of the curve.


The synthesis of perfect light and inspired design creates a new trajectory in directional lighting fixtures.

For specifications, photometrics, and compatibility details visit soraa.com.

Soraa Arc product info: quotes@soraa.com

DIRECTIONAL

TOOLS TO LIVE BY
TAIPEI



AMBIENT FIXTURES



Soraa's minimalist ambient luminaires are specification grade products where performance and color quality matter. Designed with a critical eye on architectural design, Soraa Barrel™ and Soraa Gable™ luminaires feature award winning optical design expertise in addition to Soraa's signature color techniques which mean colors always show true and beautiful.

SORAA barrel™

Featuring a unique arch form at only 75mm in depth, this perfectly luminous luminaire is available in 600 x 600mm, and 300 x 1200mm size options. The eloquently designed, extruded aluminum Knife Edge frame provides thermal management and visual separation between frame and lens. Plus, the Knife Edge detail increases depth perception of the arch while maintaining the 75mm housing depth. The luminaire is ideal for shallow ceiling plenums where HVAC and structural interferences can be an issue. Designed for lay-in and gypsum board ceilings, the Soraa Barrel series delivers up to 3500 lumens and 0-10V dimming as standard.

Quality of light contributes to the quality of your day. And now, the natural beauty of Soraa light in ambient settings such as premium offices, healthcare, retail, sports and public spaces is here.

SORAA gable™

Redefining traditional ambient luminaire design, the Soraa Gable series appears frameless, giving it an incredibly clean, contemporary aesthetic available in 600 x 600mm, and 300 x 1200mm size options. Beautifully luminous, two uniform angled lenses gable up into a center spine element that glows. All mechanical details are thoughtfully concealed on the luminaire and are designed for lay-in and gypsum board ceilings.

Soraa Wave Guide

By edge lighting our highly engineered, injection molded optical light guides with Soraa's full spectrum LEDs, we've been able to create glare free luminaires that raise the bar for ambient lighting. Soraa Barrel and Gable have unparalleled lens uniformity and deliver light with fluorescent excitation needed to discern shades of white and render colors perfectly giving lighting designers the ability to heighten visual clarity in spaces that require precise color, while increasing energy efficiency, when lighting large environments.

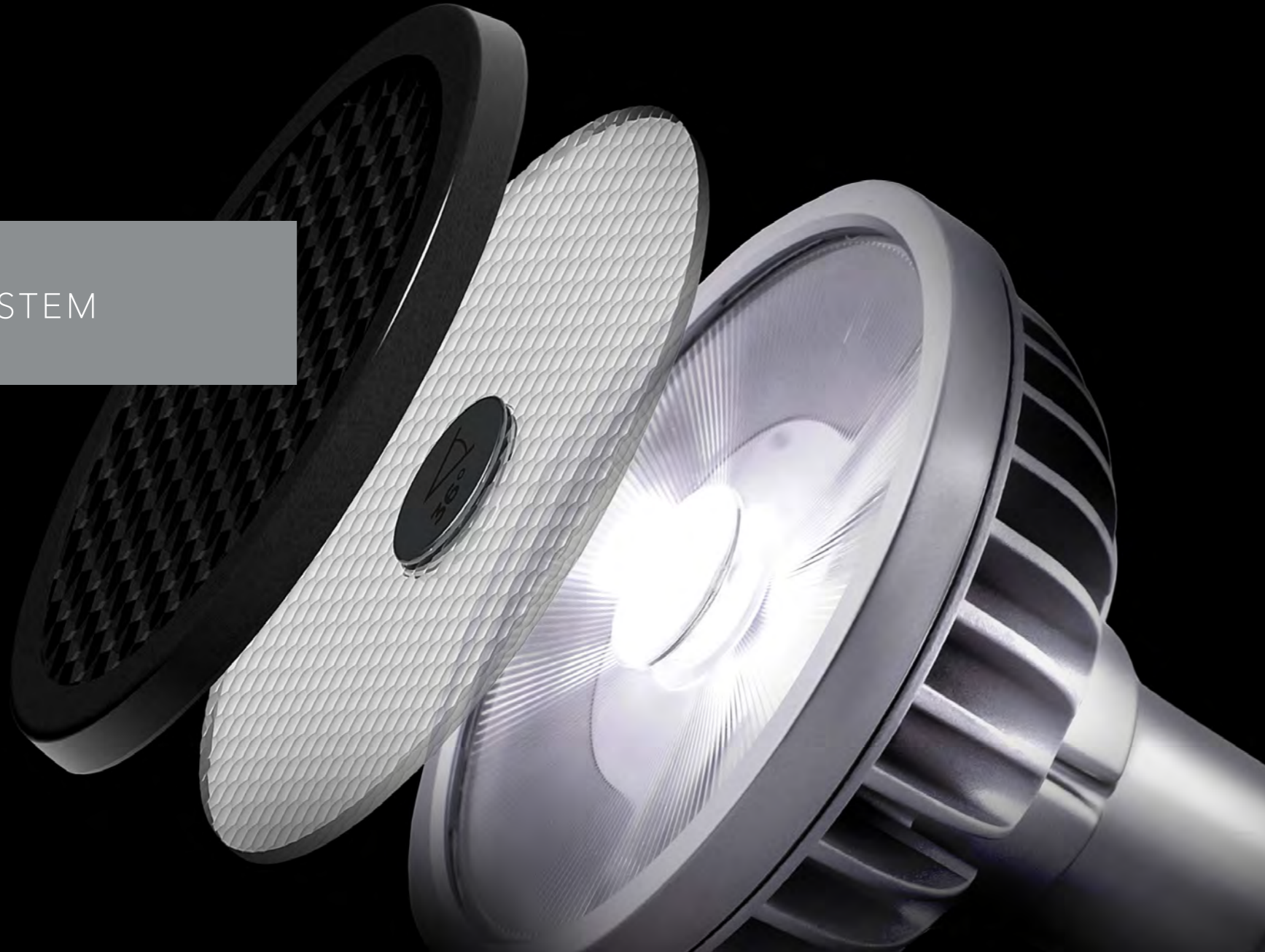
For specifications, photometrics, and compatibility details visit soraa.com. Soraa Ambient product info: quotes@soraa.com

AMBIENT

COUNCIL CHAMBERS
JOHANNESBURG



SNAP SYSTEM



SORAA snap system™

Snap accessories are meticulously crafted to work together with our narrow-beam LEDs. Combining single source GaN on GaN™ LED technology with an innovative set of magnetic attachment filters and lenses, they completely redefine flexibility and control in lighting design.

Beam Shaper lenses and CCT Shifter filters provide the freedom to adapt and modify any installation while specifying only one lamp.

Our simple louver snap eliminates high angle glare, making any light beam disappear in down-light applications.

Achieve total control of both color and beam shape, adding nuance, drama, and perfection to your design.

For specifications, photometrics, and compatibility details visit soraa.com.

SNAP

ZURBARAN
ATHENS



LIGHT ENGINES



Soraa Optical Light Engines are built around our breakthrough GaN on GaN™ LED technology, which results in directional light with near perfect distribution, uniform color and smooth, artifact free transitions. They deliver intensity normally associated with substantially larger diameter sources. Beam angles range from narrow spot to flood and can be combined with our SNAP System accessories to change light distribution and light color on site.

Additionally, these sources have on board temperature sensing for efficient thermal system evaluation, and the mechanical outline works with readily available fixture solutions for easy LED fixture design.

**Intensity, quality,
and form factor.
This is perfect light in
a perfect package.**

For specifications, photometrics,
and compatibility details visit soraa.com.

LIGHT ENGINES

CONRAD HOTEL
OSAKA



LAMPS

Model	Power	Beam	CCT	95 CRI / 95 R9		85 CRI / 0 R9	
				Lumens	CBCP	Lumens	CBCP
MR16, 12V	7.5W	☉ 10° 25° 36°	●●●	410lm	6000cd	500lm	7320cd
				435lm	2400cd	525lm	2900cd
				435lm	1130cd	525lm	1370cd
	9W	25° 36°	●●	490lm	2700cd	590lm	3260cd
				490lm	1280cd	590lm	1540cd
MR16, 230V	7.5W	☉ 10° 25° 36° 60°	●●●	410lm	6000cd	500lm	7320cd
				435lm	2400cd	525lm	2900cd
				435lm	1130cd	525lm	1370cd
	9W	25° 36° 60°	●●	490lm	2700cd	590lm	3260cd
				490lm	1280cd	590lm	1540cd
				490lm	500cd	590lm	600cd
MR16, Constant Current	8W	☉ 10° 25° 36°	●●●	525lm	7700cd		
				550lm	3060cd		
				550lm	1460cd		
PAR20, 230V	11W	☉ 10° 25° 36°	●●	540lm	8640cd		
				540lm	2860cd		
				540lm	1340cd		
PAR30L, 230V PAR30S, 230V PAR38, 230V	18.5W	☉ 9° 25° 36°	●●	1000lm	18500cd		
				1000lm	5400cd		
				1000lm	2500cd		
AR111, 12V	6W	☉ 4°	●●	300lm	12600cd		
	12.5W	☉ 8° 25° 36°	●●●	620lm	16740cd		
				620lm	3340cd		
				620lm	1540cd		
18.5W	☉ 9° 25° 36°	●●●	1000lm	24100cd			
			1000lm	5400cd			
			1000lm	2500cd			
A19, 230V	11W	NA	●	800lm	NA		

(Typical for 3000K)

(Typical for 3000K)

CCT Options Available: ● 2700K ● 3000K ● 4000K (95 CRI only)

Some specifications may not be available at time of print

© **SORAA** snap system™

SPECIFICATIONS

LIGHT ENGINES

Model	Power	Beam	CCT	95 CRI / 95 R9				
				Lumens	CBCP			
SLE11 SLC11	6.7W	25° 36°	●●●	430lm	2490cd			
				430lm	1200cd			
SLE16 SLC16	8.1W	☉ 10°	●●●	460lm	6710cd			
				12.2W	☉ 15° 25° 36°	●●●	720lm	6260cd
							720lm	4170cd
720lm	2010cd							
SLE16+	10.3W	☉ 10°	●●	540lm	7880cd			
				16.1W	☉ 15° 25° 36°	●●	920lm	8000cd
							1000lm	5800cd
1000lm	2800cd							
SLE30 SLC30	4.9W	☉ 4°	●●	280lm	10080cd			
				16.1W	☉ 9° 25° 36°	●●●	1000lm	22000cd
							1000lm	5800cd
1000lm	2800cd							

(Typical for 3000K)

95 CRI / 95 R9

DIRECTIONAL

Model	Power	Beam	CCT	95 CRI / 95 R9				
				Lumens	CBCP			
ART, 50mm	11W	☉ 10°	●●●	535lm	7800cd			
				18W	☉ 15° 25° 36°	●●●	930lm	8080cd
							1000lm	5800cd
1000lm	2700cd							
ART, 100mm	20W	☉ 9° 25° 36°	●●●	1000lm	18500cd			
				1050lm	6090cd			
				1050lm	2830cd			
ARP, 50mm ARA 50mm	11W	☉ 10°	●●●	535lm	7800cd			
				18W	☉ 15° 25° 36°	●●●	930lm	8080cd
							1000lm	5800cd
1000lm	2700cd							
ARP, 100mm ARA, 100mm	20W	☉ 9° 25° 36° 60°	●●●	1000lm	18500cd			
				1050lm	6090cd			
				1050lm	2830cd			
				1050lm	1150cd			

(Typical for 3000K)

AMBIENT

Model	Power	UGR	CCT	90 CRI / 90 R9		Dimming	Emergency
				Lumens			
BARREL, 600 x 600mm	38W	<19	● ● ●	2400lm		0-10V	None
				2500lm		1-10V	7W Battery
				2600lm			14W Battery
BARREL, 300 x 1200mm	52W	<19	● ● ●	3300lm		0-10V	None
				3500lm		1-10V	7W Battery
				3600lm			14W Battery
	38W	<19	● ● ●	2300lm		0-10V	None
				2400lm		1-10V	7W Battery
				2500lm			14W Battery
GABLE, 600 x 600mm	52W	<19	● ● ●	3100lm		0-10V	None
				3300lm		1-10V	7W Battery
				3400lm			14W Battery
	38W	<19	● ● ●	2400lm		0-10V	None
				2500lm		1-10V	7W Battery
				2600lm			14W Battery
GABLE, 300 x 1200mm	52W	<19	● ● ●	3300lm		0-10V	None
				3500lm		1-10V	7W Battery
				3600lm			14W Battery
	52W	<19	● ● ●	3100lm		0-10V	None
				3300lm		1-10V	7W Battery
				3400lm			14W Battery

CCT Options Available: ● 3000K ● 3500K ● 4000K

Some specifications may not be available at time of print

SNAPS

Model	Size	Variation
BEAM SPREADER	50mm	17°
		25°
		36°
		60°
	84mm	17°
		25°
		36°
		60°
LINEAR	50mm	10° x 25°
		10° x 36°
		10° x 60°
	84mm	10° x 36°
		10° x 60°
FLAT TOP	50mm	25° x 25°
		36° x 36°
	84mm	36° x 36°
CCT SHIFTER	50mm	1/4
		1/2
		3/4
	84mm	1/4
		1/2
		3/4
LOUVER	50mm	40° Cutoff
	84mm	40° Cutoff
AIM	50mm	20° Deflection
	84mm	20° Deflection
ENHANCE	50mm	
	84mm	
CLEAR	50mm	
	84mm	

WE ARE COMMITTED TO SETTING LIGHT APART.

The inspiration that led to our products began as pure science.

And it is in that spirit that we support and conduct research

with the goal to develop insights, expertise, and discoveries

that might lead to further breakthroughs in the marketplace.

We are passionately curious about how light impacts human

well-being, productivity and emotion, and determined to

make light look better, run smarter, and feel great.

INNOVATION



QUALITY OF LIGHT



DYNAMIC LIGHT



GaN ON GaN



INTERNET OF THINGS



SORAA®

COCO
LIGHTING

Order from www.cocolighting.com
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