



**SORAA** arc™

arc



SORAA ARC™ IS THE SYNTHESIS OF PERFECT LIGHT AND INSPIRED DESIGN.

STUNNING FORM FOLLOWS REMARKABLE FUNCTION IN FIXTURES ENGINEERED AROUND AN ULTRA THIN PROFILE DIE-CAST HEAT SINK. OPTIMISED FOR SUPERIOR THERMAL MANAGEMENT AND ENDOWED WITH SORAA'S SIGNATURE QUALITY OF LIGHT, THEY FEATURE RICH COLOURS, PERFECTLY RENDERED WHITES, AND CLEAN, CRISP BEAMS. FOR A WIDE RANGE OF APPLICATIONS, THIS IS LIGHTING AT THE TOP OF THE CURVE.



DESIGNED FROM THE INSIDE OUT.

# CONTENTS

4	APPLICATIONS
8	ARC SERIES
10	TRACK   ART
12	PENDANT   ARP
14	ADJUSTABLE   ARA
16	DOWNLIGHT
18	SNAP SYSTEM
21	LIGHT SPECIFICATIONS

# MUSEUMS



Soraa Arc features Soraa VIVID Color™ and Soraa Natural White™ rendering both colours and whites naturally and perfectly, ideal for settings and applications that demand accuracy and ultra-clear differentiation.



# arc



## HOSPITALITY



Soraa Arc gives you the ability to set the mood. Crisp, clean, point source optics, and Snap System compatibility give you complete control over the beam, colour, and intensity to create truly inviting environments.



# arc



## RETAIL



When colours are richer and shadows are cleaner, products on display come into their own. Soraa's broader visible spectrum, R9, and infinite shades of white help to present merchandise in the right light.



# arc



## RESIDENTIAL



At home, Soraa Arc is lighting that is meant to be seen. In addition to its legendary Soraa VIVID™ colour quality, ARC stands on its own, adding to the art and architecture of a beautiful environment.



# SORAA arc™ SERIES



ART 50mm



ART 100mm

TRACK



ARP 50mm



ARP 100mm

PENDANT



ARA 50mm  
Semi-Recessed  
Mount



ARA 50mm  
Recessed Mount



ARA 100mm  
Semi-Recessed  
Mount



ARA 100mm  
Recessed Mount

ADJUSTABLE



Square Trimmed



Square Trimless



Square Trim



Square Trim



Round Trimmed



Round Trimless



Round Trim



Round Trim



50mm Snout



100mm Snout



50mm Wall Wash



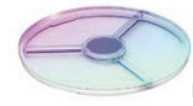
100mm Wall Wash



Clear



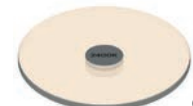
Beam Shaping



Enhance



Aim



CCT Shifter



Louver

# DOWNLIGHT

50mm 3-in-1 featuring fixed, wall wash, and adjustable positions

# ACCESSORIES

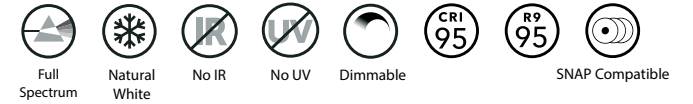
Ideal for museums, retail display



TRACK



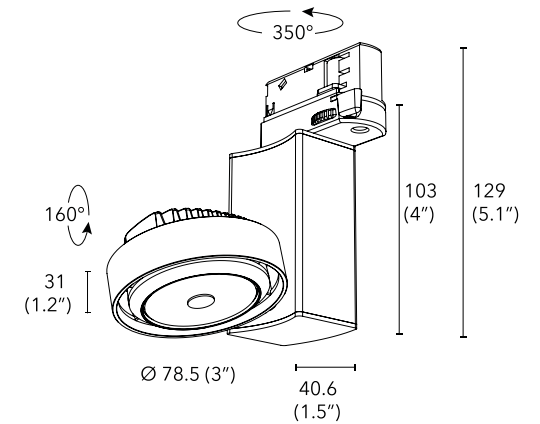
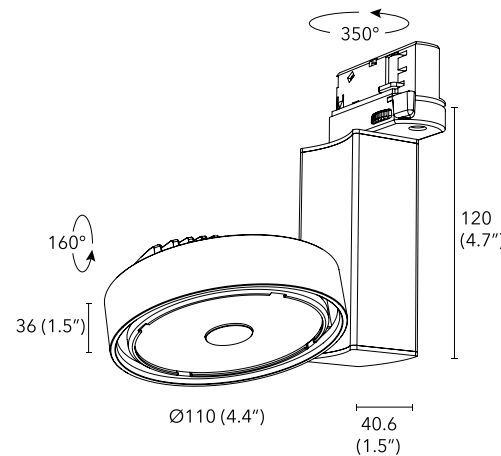
# SORAA arc™ TRACK



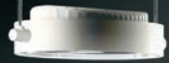
## ORDERING GUIDE

Product SKU	Beam & Wattage	CCT	Driver	Track Compatibility	Finish	CBCP (cd)	Lumens
<b>ART50</b> Soraa Arc Track, 50mm	<b>10D</b> 10° Narrow Spot - 11W	<b>927</b> 2700K	<b>E</b> 220-240VAC Phase Dim	<b>G</b> 3 circuit <b>G1</b> 1 circuit (other adapters available)	<b>B</b> Black <b>W</b> White <b>S</b> Silver <b>C</b> Custom	<b>7800</b>	<b>535</b>
	<b>15D</b> 15° Narrow Spot - 18W	<b>930</b> 3000K					<b>930</b>
	<b>25D</b> 25° Narrow Flood - 18W	<b>940</b> 4000K					<b>1000</b>
	<b>36D</b> 36° Flood - 18W						<b>1000</b>
<b>ART100</b> Soraa Arc Track, 100mm	<b>09D</b> 9° Narrow Spot - 20W					<b>18500</b>	<b>1000</b>
	<b>25D</b> 25° Narrow Flood - 20W					<b>6090</b>	<b>1050</b>
	<b>36D</b> 36° Flood - 20W					<b>2830</b>	<b>1050</b>

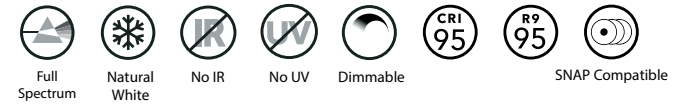
(Typical for 3000K)



PENDANT



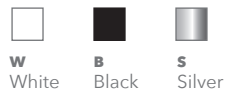
# SORAA arc™ PENDANT



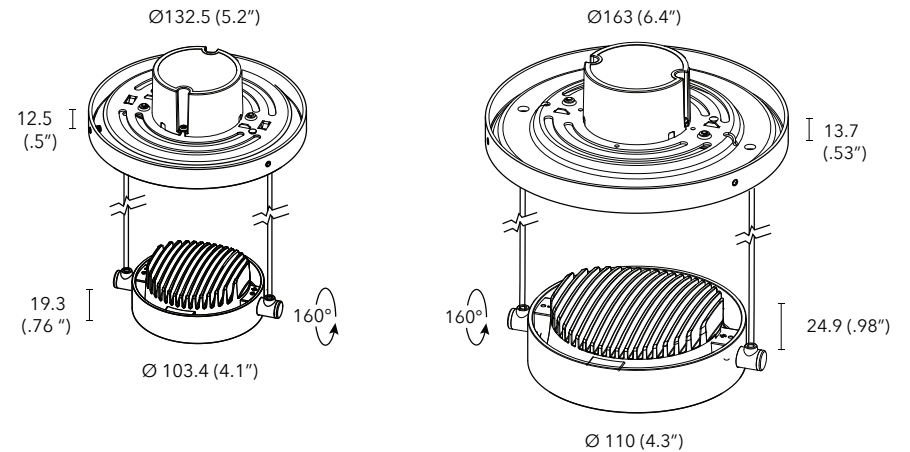
## ORDERING GUIDE

Product SKU	Beam & Wattage	CCT	Driver	Mounting	Finish	CBCP (cd)	Lumens
<b>ARP50</b> Soraa Arc Pendant, 50mm	<b>10D</b> 10° Narrow Spot - 11W	<b>927</b> 2700K	<b>E</b> 220-240VAC Phase Dim	<b>SR</b> Semi Recessed	<b>B</b> Black <b>W</b> White <b>S</b> Silver <b>C</b> Custom	<b>7800</b>	<b>535</b>
	<b>15D</b> 15° Narrow Spot - 18W	<b>930</b> 3000K					<b>930</b>
	<b>25D</b> 25° Narrow Flood - 18W	<b>940</b> 4000K					<b>1000</b>
	<b>36D</b> 36° Flood - 18W						<b>1000</b>
<b>ARP100</b> Soraa Arc Pendant, 100mm	<b>09D</b> 9° Narrow Spot					<b>18500</b>	<b>950</b>
	<b>25D</b> 25° Narrow Flood					<b>6090</b>	<b>1050</b>
	<b>36D</b> 36° Flood					<b>2830</b>	<b>1050</b>
	<b>60D</b> 60° Wide Flood					<b>1150</b>	<b>1050</b>

(Typical for 3000K)



Pendant furnished with 1981mm /side of coated electrical cable, fully adjustable lengths.





ADJUSTABLE





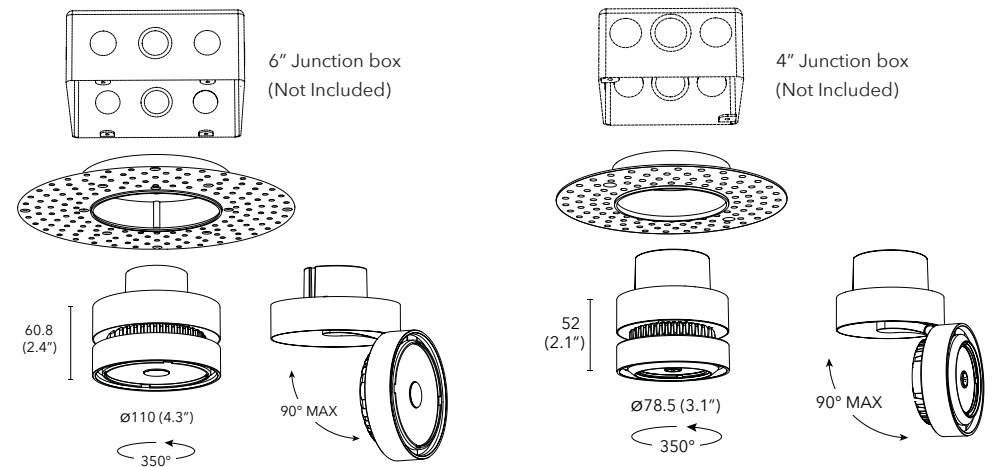
# SORAA arc™ ADJUSTABLE



## ORDERING GUIDE

Product SKU	Beam & Wattage	CCT	Driver	Mounting	Finish	CBCP (cd)	Lumens
<b>ARA50</b> Soraa Arc Adjustable, 50mm	<b>10D</b> 10° Narrow Spot - 11W	<b>927</b> 2700K	<b>E</b> 220-240VAC Phase Dim	<b>SR</b> Semi Recessed <b>R</b> Recessed	<b>B</b> Black <b>W</b> White <b>S</b> Silver <b>C</b> Custom	<b>7800</b>	<b>535</b>
	<b>15D</b> 15° Narrow Spot - 18W	<b>930</b> 3000K					<b>930</b>
	<b>25D</b> 25° Narrow Flood - 18W	<b>940</b> 4000K					<b>1000</b>
	<b>36D</b> 36° Flood - 18W						<b>1000</b>
<b>ARA100</b> Soraa Arc Adjustable, 100mm	<b>09D</b> 9° Narrow Spot - 20W					<b>18500</b>	<b>1000</b>
	<b>25D</b> 25° Narrow Flood - 20W					<b>6090</b>	<b>1050</b>
	<b>36D</b> 36° Flood - 20W					<b>2830</b>	<b>1050</b>
	<b>60D</b> 60° Wide Flood - 20W					<b>1150</b>	<b>1050</b>

(Typical for 3000K)

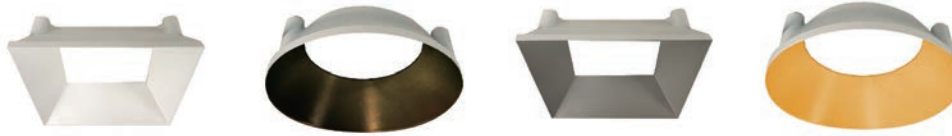


# DOWNLIGHT



# SORAA arc™ DOWNLIGHT

50mm 3-in-1 featuring fixed, wall wash, and adjustable positions



## ORDERING GUIDE

### Step 1 Choose your Installation application

#### Drivers (EU)

**DD50** Driver Kit (EU), 50mm  
**DRD** Remodel Driver

#### IC Rating

**IC** IC Rated  
**T** Thermally Protected Non-IC

#### Voltage

**E** 220-240 Phase Dim  
**ED** 230V DALI  
**Specify** Other

#### Emergency Backup

**EMR** Emergency (Non-IC Only)

### Step 2 Choose your light experience

#### Light Engine

**DER50** Soraarc Arc Downlight Round, 50mm  
**DES50** Soraarc Arc Downlight Square, 50mm

#### Beam & Wattage

**10D** 10° Narrow Spot - 11W ☺  
**15D** 15° Narrow Spot - 18W ☺  
**25D** 25° Narrow Flood - 18W ☺  
**36D** 36° Flood - 18W ☺

#### CCT

**927** 2700K  
**930** 3000K  
**940** 4000K

#### Mounting

**F** Frame Kit  
**R** Remodel

#### Trim Style

**T** Trimmed  
**TL** Trimless

#### Finish

**B** Black  
**W** White  
**S** Silver  
**C** Custom

#### CBCP (cd)

**7800**  
**8080**  
**5800**  
**2700**

#### Lumens

**535**  
**930**  
**1000**  
**1000**

(Typical for 3000K)

### Step 3 Choose your finished look with a SNAP trim

#### Trims

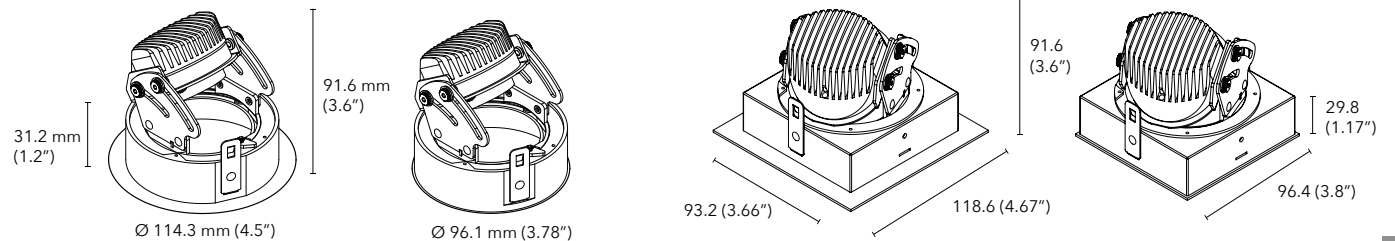
**DTS50** Square Downlight, 50mm  
**RTSW50** Square Wall Wash, 50mm  
**DTR50** Round Downlight, 50mm  
**RTW50** Round Wall Wash, 50mm

#### Width

**TW** 12.7mm (1/2") Trim  
**TF** 3.2mm (1/8") Flange

#### Finish

**B** Black  
**W** White  
**S** Silver  
**T** Tangerine  
**C** Custom



They fit your  
light style.

ARC is universally compatible with  
the Sora Snap System,<sup>™</sup> giving you  
total control to colour and sculpt  
the perfect light.



Snap



# SORAA snap system™

Soraa Arc in 9°, 10°, and 15° beams are designed to work with the Soraa Snap System™ creating an optimised solution for luminaires and integrated lamp accessories.

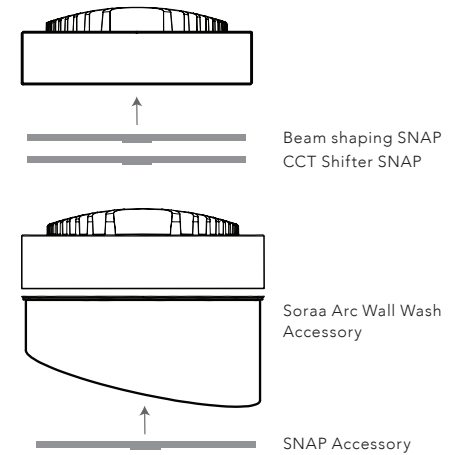
Coupled with Soraa's high brightness single source LED technology, Soraa Snap System lighting effects are similar to halogen sources, with the added benefits of low operating temperature, ground-breaking optical design, and method of attachment.

The self-centering magnetic system is simple. Place a SNAP accessory directly on an Arc surface and the magnetic force will do the rest.

Soraa Snaps can be used in combination with other Soraa Arc accessories, They can be stacked (i.e. beam spreader and a CCT shifter) or when combining beam shaping Snaps with CCT shifters,

Soraa Snaps are only compatible with Soraa Arc luminaires, Soraa lamps, and Optical Light Engines, in 9°, 10°, and 15° beam versions. See individual SNAP accessory data for exact diameters.

IES files and photometric data for SNAP accessories are available at [www.soraa.com](http://www.soraa.com).

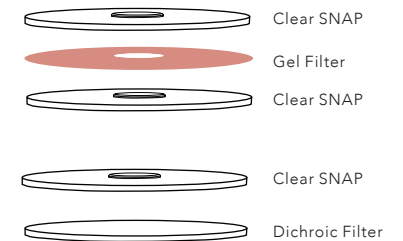
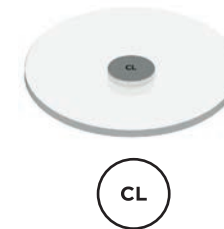


For best results always place CCT shifting Snap on the lamp first

## Clear

Use together with gel and dichroic filters for total colour freedom. Produce the exact mood and effect you want for any environment. Sold in quantities of ten.

Diameter	Part Number	Product Code	Lumen Transmission (1 Snap)	Lumen Transmission (2 Snaps)	Thickness	Magnetic Attach Force
50mm	AC-CL-0000-00	02183	93%	87%	2mm	0.45 lb-F
84mm	AC-E-CL-0000-00	02185	93%	87%	3.1mm	



Suggested use with Gel or Dichroic filters

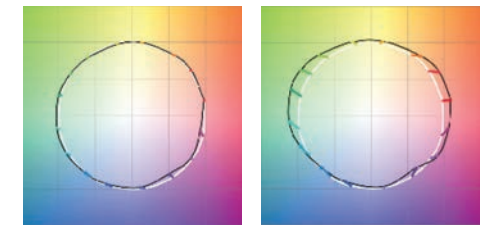
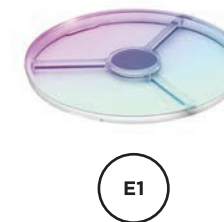
## Enhance

A colour enhancing filter designed to modify the spectrum of Soraa VIVID luminaires and increase the vividness of warm colours (red, orange and pink) and greens. Use Enhance in applications where even richer, more vibrant colour is desired.

Diameter	Part Number	Product Code	Lumen Transmission	Whiteness	Thickness	Magnetic Attach Force
50mm	AC-EN-0001-00	03281	75%	130%	2mm	0.45 lb-F
84mm	AC-E-EN-0001-00	03283	75%	130%	2mm	

### Application Notes:

Use with CCTs of 3000K and 2700K.  
Combine with either a Louver Snap (for 10° spot applications) or with a Beam Spreader Snap (for other beam angles)  
Place Enhance as the first filter when stacking with other Snap accessories.



**Soraa Vivid (2700K & 3000K)**  
Rf:90, Rg:100,  
Rw (Whiteness): 120

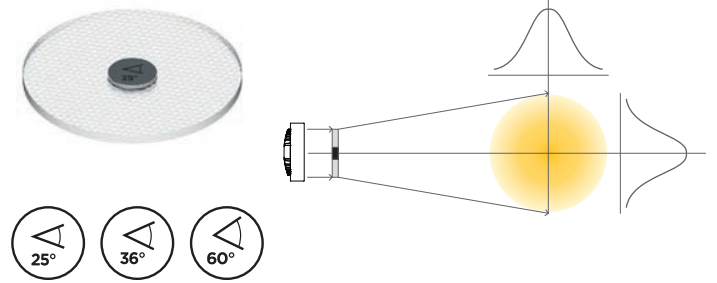
**With Enhance Snap**  
Rf:75, Rg:112  
Rw (Whiteness): 130

# SORAA snap system™

## Beam Spreader

Use in any application where reducing the number of beam angle SKUs is required. Reduces inventory costs, shortens specification, design, and sales cycles. Provides maximum flexibility up to the time of installation.

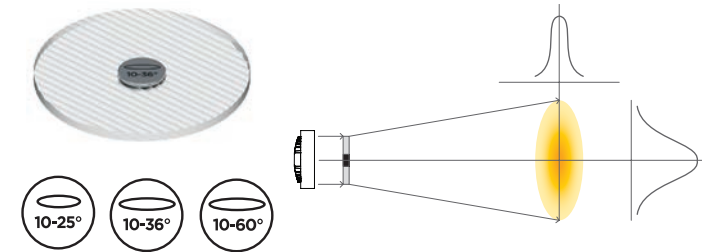
Diameter	Beam	Part Number	Product Code	CBCP of 10°, 9° Beam	Field Angle	Lumen Transmission	Thickness	Magnetic Attach Force
50mm	17°	AC-GC-1717-00	03263	30%	33°	90%	2mm	0.45 lb-F
	25°	AC-GC-2525-00	00325	29%	40°			
	36°	AC-GC-3636-00	00327	14%	55°			
84mm	60°	AC-GC-6060-00	00329	5%	103°		3.1mm	
	17°	AC-E-GC-1717-00	03265	53%	33°			
	25°	AC-E-GC-2525-00	01145	18%	40°			
	36°	AC-E-GC-3636-00	01147	8%	55°			
	60°	AC-E-GC-6060-00	01149	3%	90°			



## Linear

Use in wall washes and illuminating asymmetric objects. Reduces required number of light fixtures and spill illumination of target objects.

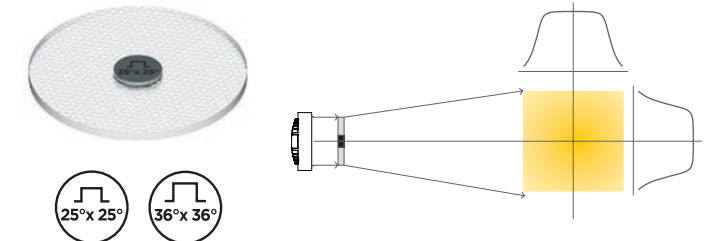
Diameter	Beam	Part Number	Product Code	CBCP of 10°, 9° Beam	Field Angle Horiz/Vert	Lumen Transmission	Thickness	Magnetic Attach Force
50mm	10-25°	AC-GE-1025-00	00331	57%	27° / 35°	90%	2mm	0.45 lb-F
	10-36°	AC-GE-1036-00	00333	38%	27° / 43°			
	10-60°	AC-GE-1060-00	03259	25%	25° / 70°			
84mm	10-36°	AC-E-GE-1036-00	01595	30%	27° / 43°		3.1mm	
	10-60°	AC-E-GE-1060-00	03261	20%	20° / 70°			



## Flat Top

Provides even illumination center to edge. Eliminates video camera saturation, for use in applications such as critical video surveillance.

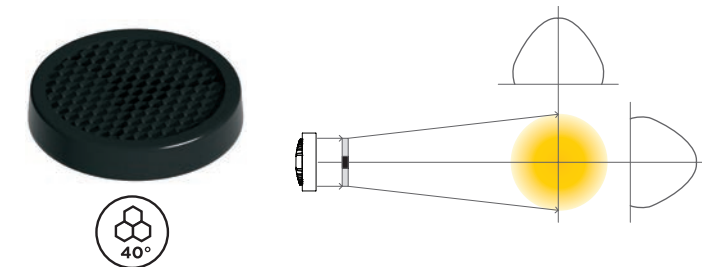
Diameter	Beam	Part Number	Product Code	CBCP of 10° Beam	Field Angle Horiz/Vert	Lumen Transmission	Thickness	Magnetic Attach Force
50mm	25x25°	AC-FR-2525-00	00335	19%	44° / 44°	90%	2mm	0.45 lb-F
	36x36°	AC-FR-3636-00	00337	14%	46° / 46°			
84mm	36x36°	AC-E-FR-3636-00	01597	14%	46° / 46°			



## Louver

Eliminates high angle glare, making light beams disappear in downlight applications. Reduces angular intensity to 0.1% of peak at 40° full angle. Fits around luminaire face. Can be used in combination with Soraa Arc Accessories.

Diameter	Cutoff Angle	Part Number	Product Code	CBCP of 10° Beam	Thickness	Magnetic Attach Force
51.1mm	40°	AC-LU-4040-00	00339	63%	9mm	0.45 lb-F
84mm	40°	AC-E-LU-4040-00	01151	63%		

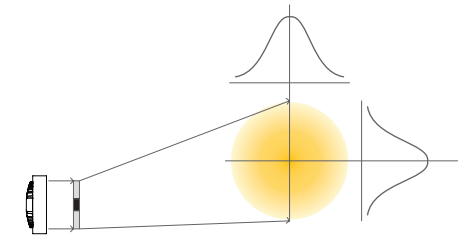


# SORAA snap system™

## Aim

Comprising two lenses, the Aim Snap bends the beam from 0° to maximum deflection angle of 20° while maintaining uniform and consistent colour and shape.

Diameter	Part Number	Product Code	Lumen Transmission	Beam	Maximum Deflection	Thickness	Magnetic Attach Force
50mm	AC-AM-0020-00	03255	85%	13°	20°	4mm	0.45 lb-F
84mm	AC-E-AM-0020-00	03257	85%	13°	20°	6.2mm	



Stacked orientation lines will result in undesirable optical artifacts. Rotate one lens slightly to mitigate.



Wider angle between orientation lines produces less deflection.



Narrower angle between orientation lines produces more deflection.

**How Aim Works**  
Use the orientation lines to adjust beam deflection angle.

## CCT Shifter

Use in hospitality and restaurant applications to simulate warm dimming. Create custom colours for festive occasions or brand identity. A single luminaire SKU can be used for many different colour temperatures.

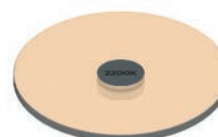
Diameter	CTO	Part Number	Product Code	Lumen Transmission	Mired Shift	Thickness	Magnetic Attach Force
50mm	1/4	AC-CC-0001-00	00323	90%	37	2mm	0.45 lb-F
	1/2	AC-CC-0002-00	00321	75%	83		
	3/4	AC-CC-0003-00	00319	60%	120		
84mm	1/4	AC-E-CC-0001-00	01153	90%	37	3.1mm	
	1/2	AC-E-CC-0002-00	01155	75%	83		
	3/4	AC-E-CC-0002-00	01157	60%	120		



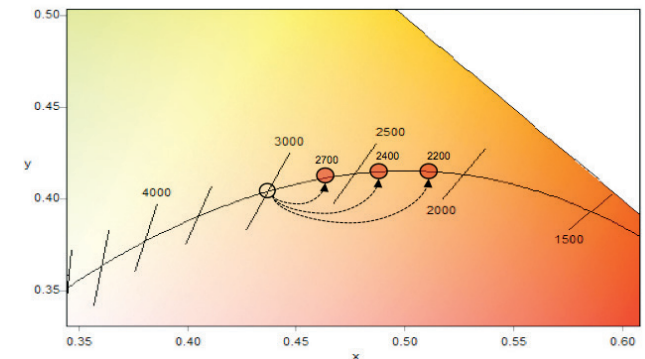
CTO  
1/4



CTO  
1/2



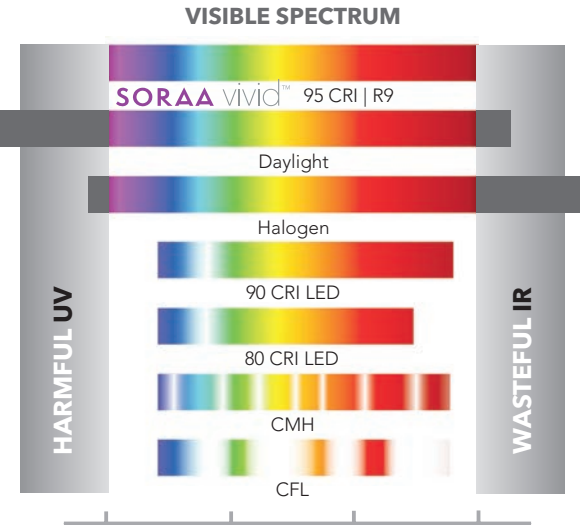
CTO  
3/4



### CCT Shift Effect

Starting CCT	1/4 CTO	1/2 CTO	3/4 CTO
2,700K	2,450K	2,200K	2,000K
3,000K	2,700K	2,400K	2,200K
4,000K	3,500K	3,000K	2,700K

# COLOUR & WHITENESS



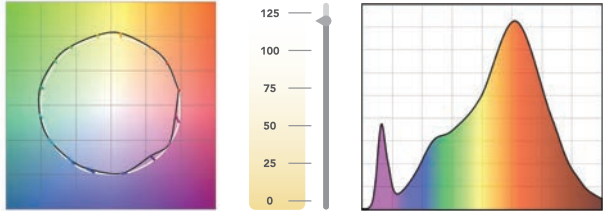
Soraa has engineered the perfect balance between colour rendering and white rendering. Soraa’s core technology uses a violet LED emitter as the basis for full spectrum light. This allows both Vivid™ colour rendering and Natural White™ white rendering, which creates whiteness by exciting fluorescing agents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

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

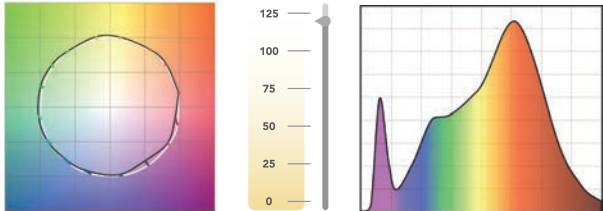
**Rg:** The TM-30 metric for colour gamut (whether colours are more saturated than under natural light). Rg is 100 for natural light.

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

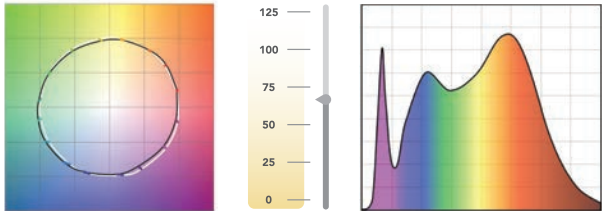
**Rw:** The Soraa-developed metric for white fidelity. Rw measures the magnitude of excitation of whitening agents within white materials. Rw is 100 for natural light.



	CRI	R9	Rf	Rg	Rfh1	Rw	McA
Soraa Arc 2700K	95	95	90	100	95	120	3



	CRI	R9	Rf	Rg	Rfh1	Rw	McA
Soraa Arc 3000K	95	95	90	100	95	120	3



	CRI	R9	Rf	Rg	Rfh1	Rw	McA
Soraa Arc 4000K	95	95	90	100	95	70	3



# SORAA arc™ | SPECIFICATIONS

## 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°, 10°, and 15° beam versions are 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 colours available.

## Electrical

220-240VAC fully integral LED electronic constant current driver.

Frequency: 50/60Hz

Power Factor: 0.93

Wattage: 11W, 18W, 20W

## Dimming and Flicker

Dimmable to <1%

Percent Flicker: < 30%

Triac and ELV dimming standard

Refer to website for details

## Applications

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

## Accessories

Luminaires can accommodate both Soraa Arc accessories and Soraa SNAP simultaneously.

## Compliance

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

## Warranty

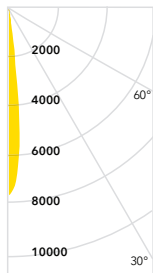
Five year warranty. Consult [www.soraa.com](http://www.soraa.com).

## Operating Temperature

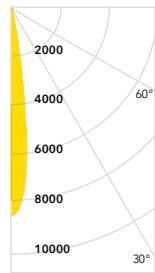
Minimum -40° C, 25° C typical.



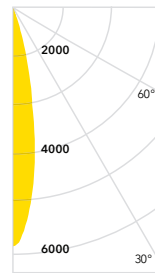
## Soraa Arc Photometrics



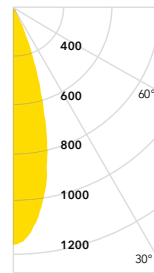
50mm  
Narrow Spot  
10°



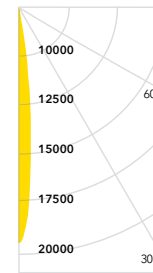
50mm  
Spot  
15°



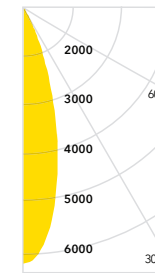
50mm  
Narrow Flood  
25°



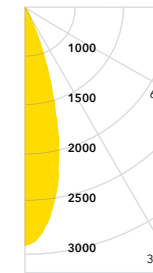
50mm  
Flood  
36°



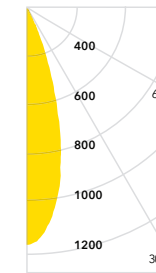
100mm  
Narrow Spot  
9°



100mm  
Narrow Flood  
25°



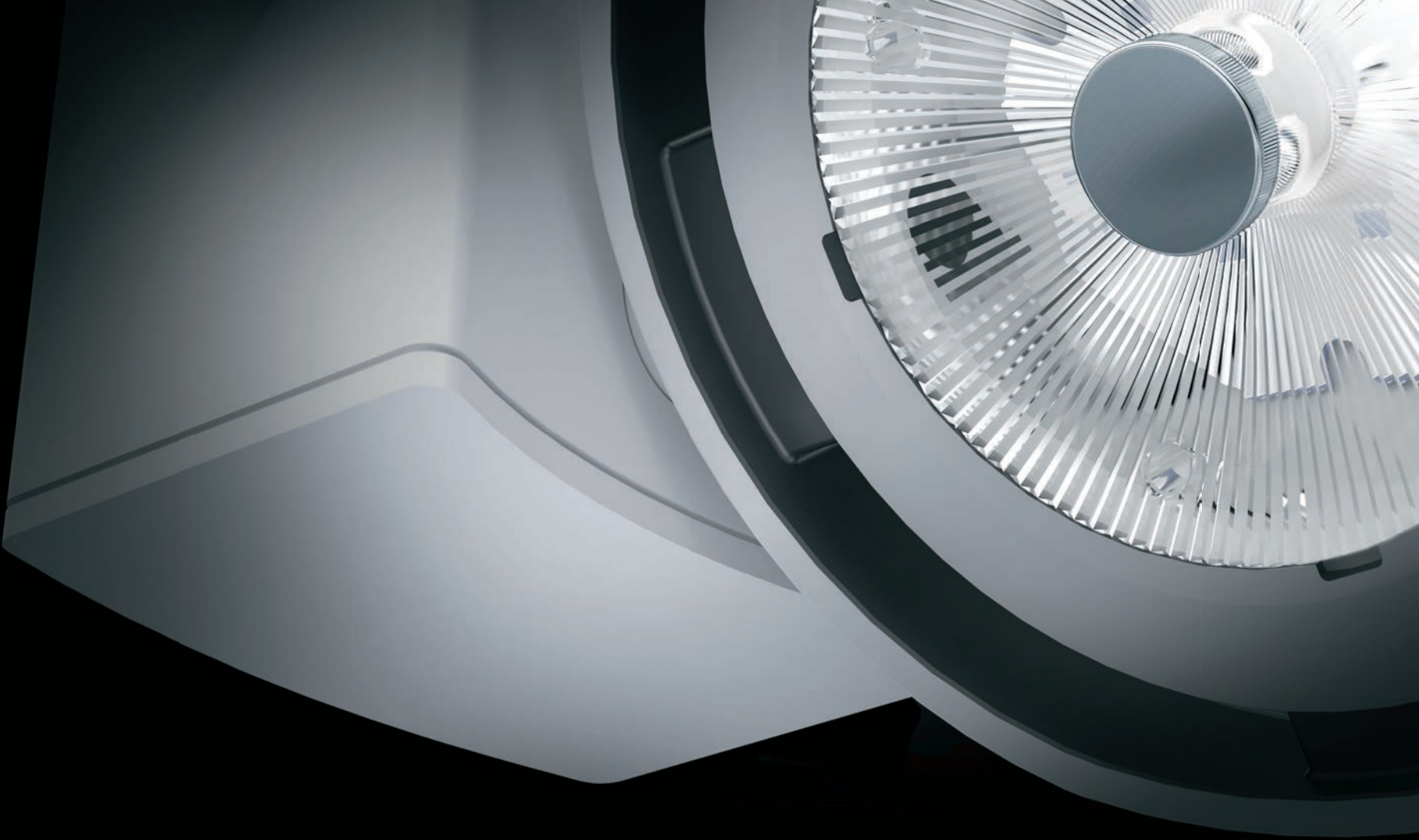
100mm  
Flood  
36°



100mm  
Wide Flood  
60°

SIMPLY PERFECT LIGHT.

**SORAA<sup>®</sup>**



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