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. 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. FOR A WIDE RANGE OF APPLICATIONS, THIS IS LIGHTING AT THE TOP OF THE CURVE.

DESIGNED FROM THE INSIDE OUT.

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MUSEUMS

Soraa Arc features Soraa VIVID Color™ and Soraa Natural White™ rendering both colors 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, color, and intensity to create truly inviting environments.

arc

RETAIL

When colors 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.

RESIDENTIAL

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

DOWNLIGHT, UPLIFTED.

IT'S TIME TO RAISE YOUR EXPECTATIONS. INTRODUCING A NEW ARC IN DOWNLIGHTING FROM SORAA®.

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

DESA 50mm Downlight
Square Adjustable (Trim)

DESA 50mm Downlight
Square Adjustable (Trimless)

Snap Trim Square

Wall Wash Square

DERA 50mm Downlight
Round Adjustable (Trim)

DERA 50mm Downlight
Round Adjustable (Trimless)

Snap Trim Round

Wall Wash Round

DOWNLIGHT

50mm 3-in-1 featuring 3.5" (90mm) aperture with 50mm lens
in adjustable, fixed, and wall wash

50mm Snoot

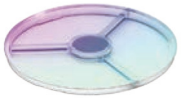
100mm Snoot

50mm Wall Wash

100mm Wall Wash

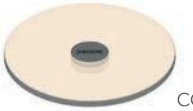
Clear

Beam Shaping



Enhance

Aim



CCT Shifter

Louver

ACCESSORIES

For spaces that require high precision
in lighting design.

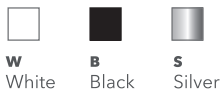
TRACK

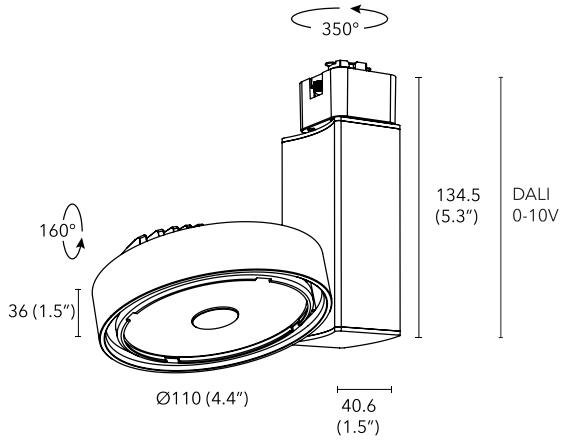
SORAA arc™ TRACK

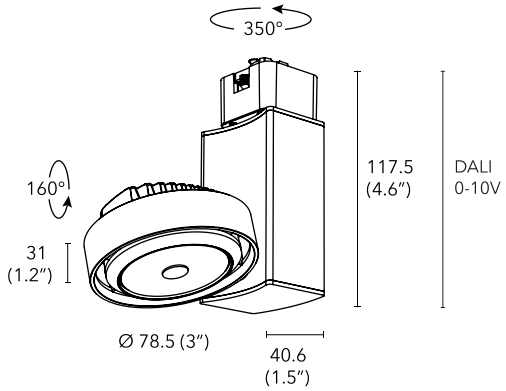
Full Spectrum · Natural White · CRI 95 · R9 95 · No IR · No UV · Dimmable · SNAP Compatible

ORDERING GUIDE

Product SKU		Beam & Wattage		Track Compatibility		CCT		Driver		Finish		Region	
ART50	Soraa Arc Track, 50mm	**10D**	10° Narrow Spot - 11W	**H**	H style -120V	**927**	2700K	**U**	120V TRIAC, ELV	**B**	Black		North America
		15D	15° Narrow Spot - 18W	**J**	J style - 120V	**930**	3000K	**U10**	120V 0-10V (120 VAC options)	**W**	White	**S3**	EU/APAC
		25D	25° Narrow Flood - 18W	**L**	L style - 120V	**940**	4000K			**S**	Silver		
		36D	36° Flood - 18W							**C**	Custom		
ART100	Soraa Arc Track, 100mm	**09D**	9° Narrow Spot - 20W	**G**	3 C1N (Global)			**E**	230V Phase Dim				
		25D	25° Narrow Flood - 20W	**G1**	2 C2N (Global)			**ED**	230V DALI				
		36D	36° Flood - 20W	**GC**	3 C1N+Data (Global)			**E10**	230V 0-10V (220-240 VAC options)				
		60D	60° Flood - 20W	**GS**	3 C1N+Data (Stucchi)								







PENDANT

SORAA arc™ PENDANT

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

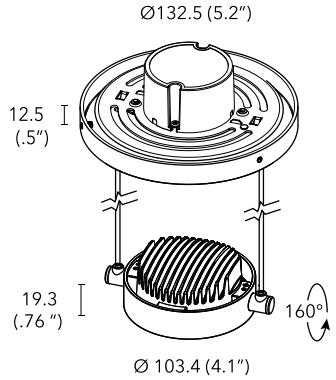
ORDERING GUIDE

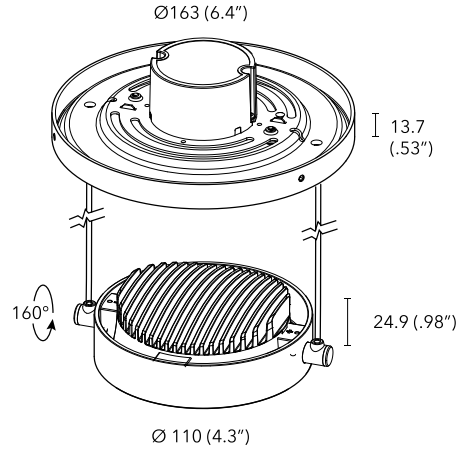
Product SKU		Beam & Wattage		CCT		Driver		Mounting		Finish		Region	
ARP50	Soraa Arc Pendant, 50mm	**10D**	10° Narrow Spot - 11W	**927**	2700K	**U**	120V TRIAC, ELV	**SR**	Semi Recessed	**B**	Black		North America
		15D	15° Narrow Spot - 18W	**930**	3000K	**U10**	120V 0-10V (120 VAC options)			**W**	White	**S3**	EU/APAC
		25D	25° Narrow Flood - 18W	**940**	4000K					**S**	Silver		
		36D	36° Flood - 18W							**C**	Custom		
ARP100	Soraa Arc Pendant, 100mm	**09D**	9° Narrow Spot - 20W			**E**	230V Phase Dim						
		25D	25° Narrow Flood - 20W			**ED**	230V DALI						
		36D	36° Flood - 20W			**E10**	230V 0-10V (220-240 VAC options)						
		60D	60° Wide Flood - 20W										

W White · **B** Black · **S** Silver

Pendant furnished with 1981mm (78")/side of coated electrical cable, fully adjustable lengths.

230V version supplied with remote driver.





ADJUSTABLE

SORAA arc™ ADJUSTABLE

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

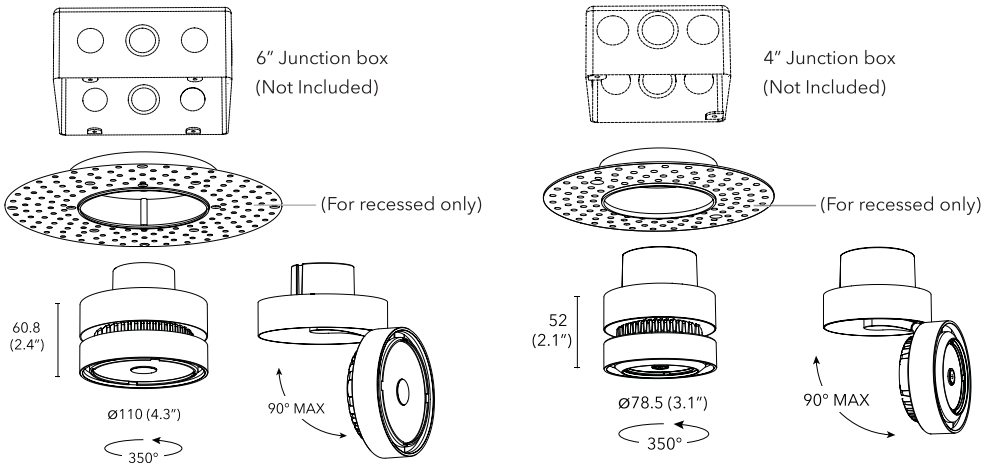
ORDERING GUIDE

Product SKU		Beam & Wattage		CCT		Driver		Mounting		Finish		Region	
ARA50	Soraa Arc Adjustable, 50mm	**10D**	10° Narrow Spot - 11W	**927**	2700K	**U**	120V TRIAC, ELV	**SR**	Semi Recessed	**B**	Black		North America
		15D	15° Narrow Spot - 18W	**930**	3000K	**U10**	120V 0-10V (120 VAC options)	**R**	Recessed	**W**	White	**S3**	EU/APAC
		25D	25° Narrow Flood - 18W	**940**	4000K					**S**	Silver		
		36D	36° Flood - 18W							**C**	Custom		
ARA100	Soraa Arc Adjustable, 100mm	**09D**	9° Narrow Spot - 20W			**E**	230V Phase Dim						
		25D	25° Narrow Flood - 20W			**ED**	230V DALI						
		36D	36° Flood - 20W			**E10**	230V 0-10V (220-240 VAC options)						
		60D	60° Wide Flood - 20W										

W White · **B** Black · **S** Silver

230V version supplied with remote driver.

Consult specification sheets for CE installation.

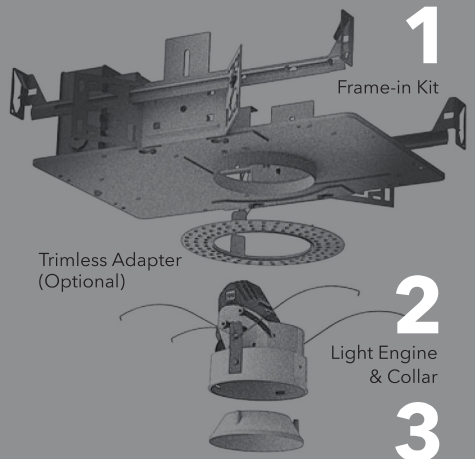


DOWNLIGHT

SORAA arc™ ADJUSTABLE DOWNLIGHT

3.5" (90mm) aperture, 50mm lens

IC Rated | Full Spectrum | Natural White | CRI 95 | R9 95 | No IR | No UV | Dimmable | SNAP Compatible



ORDERING GUIDE

Step 1 Choose your Installation application

Downlight Frame-in Kit (NA) or Driver (EU)

DFR50	Downlight Frame-in Kit (NA Only) Round
DFS50	Downlight Frame-in Kit (NA Only) Square
DRD50	Downlight Remodel Driver
DD50	Downlight Driver Kit (EU)

IC Rating*

IC	IC Rated
T	Thermally Protected Non-IC
CP	Chicago Plenum

*New Construction Only

Driver

U	120V TRIAC,ELV 0-10V	(120 VAC options)
E	220-240V Phase Dim	
ED	230V DALI	
E10	230V 0-10V	(220-240 VAC options)

Step 2 Choose your light experience

Light Engine

DERA50	Downlight LE Round Adjustable
DESA50	Downlight LE Square Adjustable

Beam & Wattage

15D	15° Narrow Spot - 18W
25D	25° Narrow Flood - 18W
36D	36° Flood - 18W

CCT

927	2700K
930	3000K
940	4000K

Mounting*

F	Frame-In Kit
R	Remodel

*NA Only

Collar

T	Trim
TL	Trimless

Finish

B	Black
W	White

Region

	North America
S3	EU/APAC

Step 3 Choose your finished look with a SNAP trim

Snap Trims

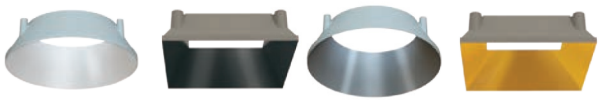
DTRA50	Round Adjustable Downlight
DTSA50	Square Adjustable Downlight

Finish

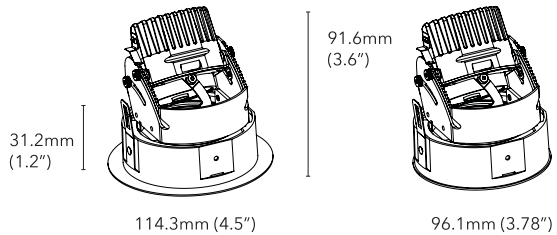
B	Black
W	White
S	Silver
T	Tangerine
C	Custom

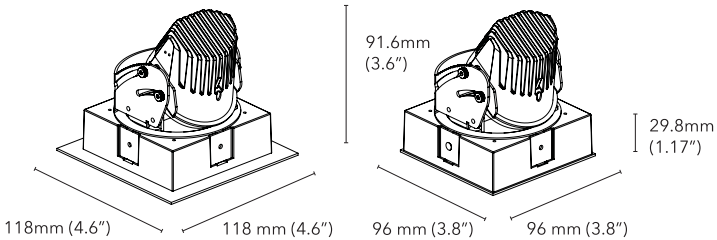
Region

	North America
S3	EU/APAC



W White | **B** Black | **S** Silver | **T** Tangerine

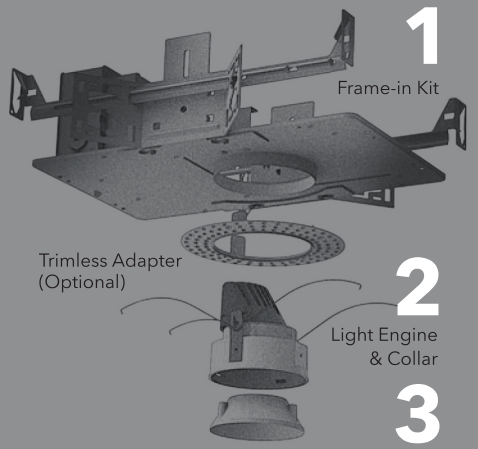




SORAA arc™ FIXED DOWNLIGHT

3.5" (90mm) aperture, 50mm lens

IC Rated | Full Spectrum | Natural White | CRI 95 | R9 95 | No IR | No UV | Dimmable | SNAP Compatible



ORDERING GUIDE

Step 1 Choose your Installation application

Downlight Frame-in Kit (NA) or Driver (EU)

DFR50	Downlight Frame-in Kit (NA Only) Round
DFS50	Downlight Frame-in Kit (NA Only) Square
DRD50	Downlight Remodel Driver
DD50	Downlight Driver Kit (EU)

IC Rating*

IC	IC Rated
T	Thermally Protected Non-IC
CP	Chicago Plenum

*New Construction Only

Driver

U	120V TRIAC,ELV 0-10V	(120 VAC options)
E	220-240V Phase Dim	
ED	230V DALI	
E10	230V 0-10V	(220-240 VAC options)

Step 2 Choose your light experience

Light Engine

DERF50	Downlight LE Round Fixed
DESF50	Downlight LE Square Fixed

Beam & Wattage

15D	15° Narrow Spot - 18W
25D	25° Narrow Flood - 18W
36D	36° Flood - 18W

CCT

927	2700K
930	3000K
940	4000K

Mounting*

F	Frame-In Kit
R	Remodel

*NA Only

Collar

T	Trim
TL	Trimless

Finish

B	Black
W	White

Region

	North America
S3	EU/APAC

Step 3 Choose your finished look with a SNAP trim

Snap Trims

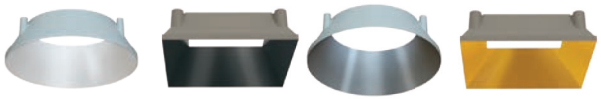
DTRF50	Round Fixed Downlight
DTSF50	Square To Round Fixed Downlight

Finish

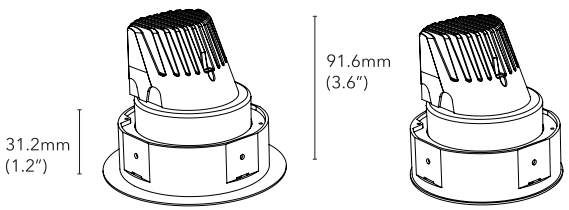
B	Black
W	White
S	Silver
T	Tangerine
C	Custom

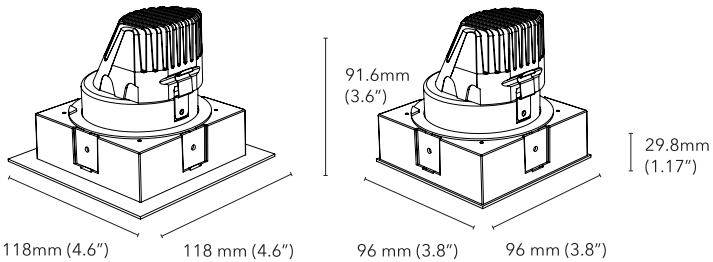
Region

	North America
S3	EU/APAC



W White | **B** Black | **S** Silver | **T** Tangerine

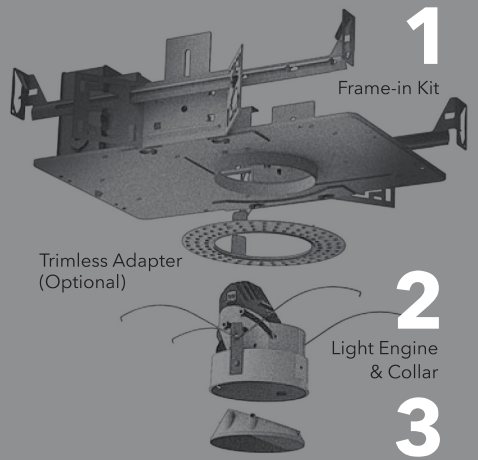




SORAA arc™ WALL WASH

3.5" (90mm) aperture

IC Rated | Full Spectrum | Natural White | CRI 95 | R9 95 | No IR | No UV | Dimmable



ORDERING GUIDE

Step 1 Choose your Installation application

Downlight Frame-in Kit (NA) or Driver (EU)

DFR50	Downlight Frame-in Kit (NA Only) Round
DFS50	Downlight Frame-in Kit (NA Only) Square
DRD50	Downlight Remodel Driver
DD50	Downlight Driver Kit (EU)

IC Rating*

IC	IC Rated
T	Thermally Protected Non-IC
CP	Chicago Plenum

*New Construction Only

Driver

U	120V TRIAC,ELV 0-10V	(120 VAC options)
E	220-240V Phase Dim	
ED	230V DALI	
E10	230V 0-10V	(220-240 VAC options)

Step 2 Choose your light experience

Light Engine

DERW50	Downlight LE Round Wall Wash
DESW50	Downlight LE Square Wall Wash

CCT

927	2700K
930	3000K
940	4000K

Mounting*

F	Frame-In Kit
R	Remodel

*NA Only

Collar

T	Trim
TL	Trimless

Finish

B	Black
W	White

Region

	North America
S3	EU/APAC

Step 3 Choose your finished look with a SNAP trim

Snap Trims

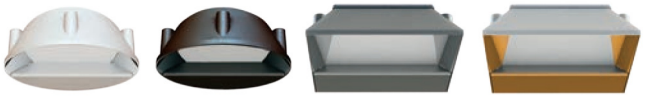
DTW50	Round Wall Wash
DTSW50	Square Wall Wash

Finish

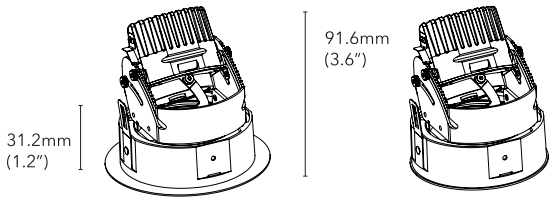
W	White
B	Black
S	Silver
T	Tangerine

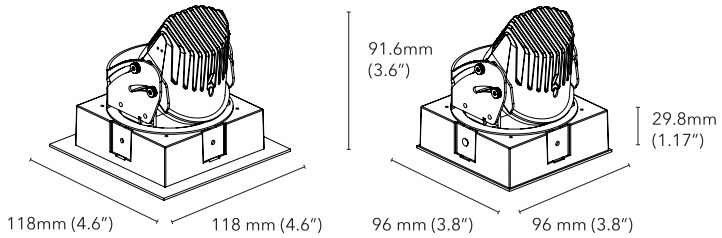
Region

	North America
S3	EU/APAC



W White | **B** Black | **S** Silver | **T** Tangerine





snaps
They fit your light style.

SORAA snap system™

ARC is universally compatible with the Soraa Snap System™, giving you total control to color and sculpt the perfect light.

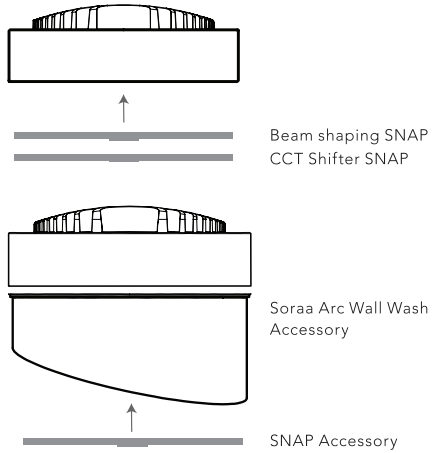
Soraa Arc in 9°, 10°, and 15° beams are designed to work with the Soraa Snap System™ creating an optimized solution for luminaires and integrated lamp accessories.

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 Snap System 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.

SNAP accessories 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.



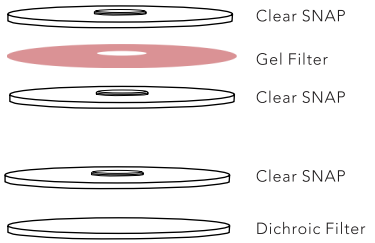
For best results always place CCT shifting Snap on the lamp first

Clear

Use together with gel and dichroic filters for total color 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	

CL



Suggested use with Gel or Dichroic filters

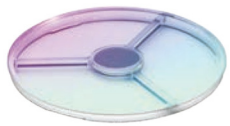
Enhance

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

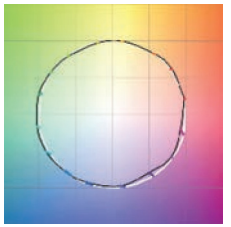
Diameter	Part Number	Product Code	Lumen Transmission	Whiteness	Thickness	Magnetic Attach Force
50mm	AC-EN-0001-00	03281	75%	130%	2mm	0.45 lb-F
84mm	AC-E-EN-0001-00	03283	75%	130%	2mm	

Application Notes:

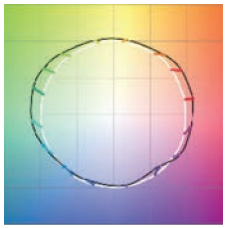
Use with CCTs of 3000K and 2700K.
Combine with either a Louver SNAP (for 10° spot applications) or with a Beam Spreader SNAP (for other beam angles)
Place Enhance as the first filter when stacking with other SNAP accessories.



E1



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



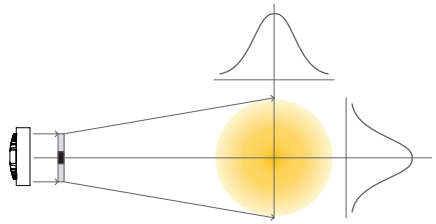
With Enhance SNAP
Rf:75, Rg:112
Rw (Whiteness): 130

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.

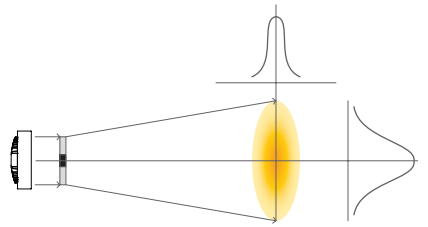
Diameter	Beam	Part Number	Product Code	CBCP of 10˚, 9˚ Beam	FIeld Angle	Lumen Transmission	Thickness	Magnetic Attach Force
50mm	17°	AC-GC-1717-00	03263	30%	33°	90%	2mm	0.45 lb-F
	25°	AC-GC-2525-00	00325	29%	40°			
	36°	AC-GC-3636-00	00327	14%	55°			
	60°	AC-GC-6060-00	00329	5%	103°			
84mm	17°	AC-E-GC-1717-00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

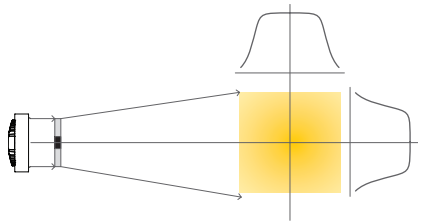
Diameter	Beam	Part Number	Product Code	CBCP of 10˚, 9˚ Beam	FIeld Angle Horiz/Vert	Lumen Trans-mission	Thickness	Magnetic Attach Force
50mm	10-25°	AC-GE-1025-00	00331	57%	27°/ 35°	90%	2mm	0.45 lb-F
	10-36°	AC-GE-1036-00	00333	38%	27° / 43°			
	10-60°	AC-GE-1060-00	03259	25%	25° / 70°			
84mm	10-36°	AC-E-GE-1036-00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

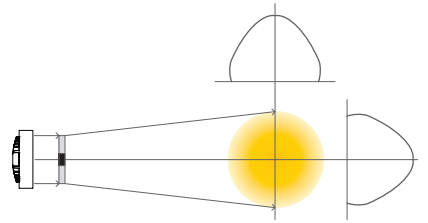
Diameter	Beam	Part Number	Product Code	CBCP of 10˚ Beam	FIeld Angle Horiz/Vert	Lumen Trans-mission	Thickness	Magnetic Attach Force
50mm	25x25°	AC-FR-2525-00	00335	19%	44° / 44°	90%	2mm	0.45 lb-F
	36x36°	AC-FR-3636-00	00337	14%	46° / 46°			
84mm	36x36°	AC-E-FR-3636-00	01597	14%	46° / 46°			



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%		

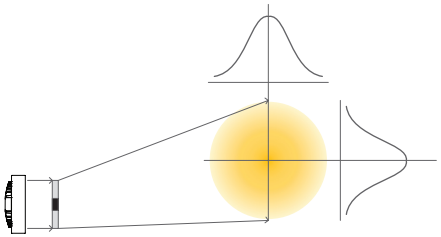


SORAA snap system™

Aim

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

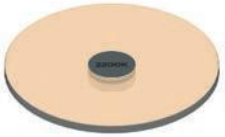
CCT Shifter

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

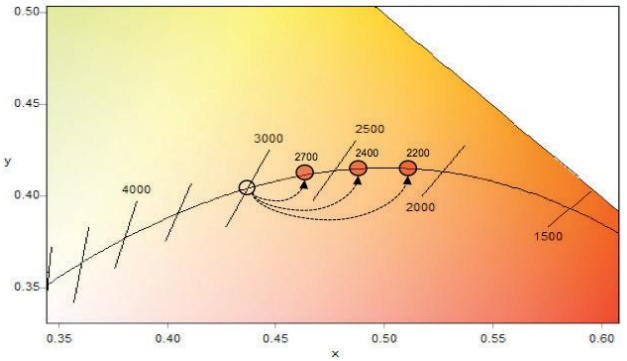
Diameter	CTO	Part Number	Product Code	Lumen Transmission	Mired Shift	Thickness	Magnetic Attach Force
50mm	1/4	AC-CC-0001-00	00323	90%	37	2mm	0.45 lb-F
	1/2	AC-CC-0002-00	00321	75%	83		
	3/4	AC-CC-0003-00	00319	60%	120		
84mm	1/4	AC-E-CC-0001-00	01153	90%	37	3.1mm	
	1/2	AC-E-CC-0002-00	01155	75%	83		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

CTO 1/4

CTO 1/2



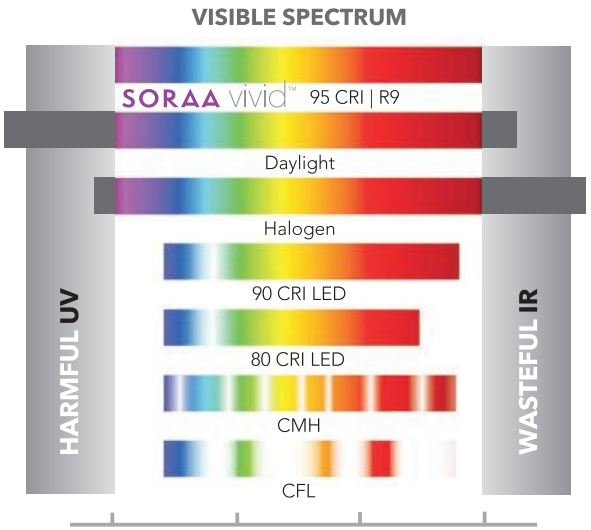
CTO 3/4



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

COLOR & WHITENESS



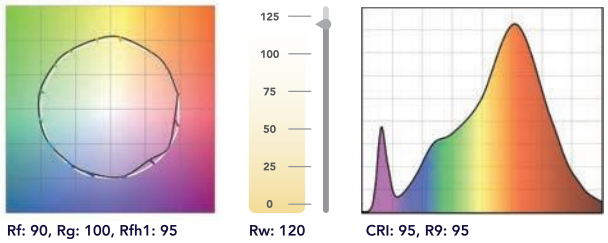
Soraa has engineered the perfect balance between color rendering and white rendering. Soraa's core technology uses a violet LED emitter as the basis for full spectrum light. This allows both Vivid™ color rendering and Natural White™ white rendering, which creates whiteness by exciting fluorescing agents 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.

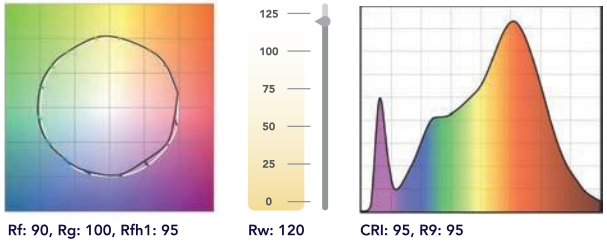
Rfh1: The TM-30 metric for color fidelity for red tones. Rfh1 is a more accurate version of the CRI R9. Rfh1 is 100 for natural light.

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.



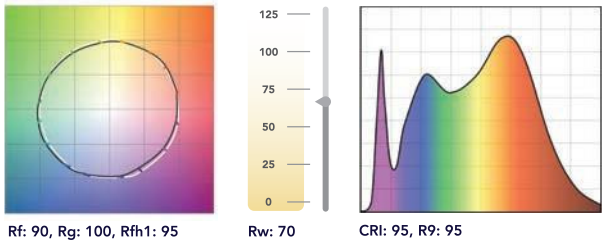
Rf: 90, Rg: 100, Rfh1: 95 | Rw: 120 | CRI: 95, R9: 95

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



Rf: 90, Rg: 100, Rfh1: 95 | Rw: 120 | CRI: 95, R9: 95

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



Rf: 90, Rg: 100, Rfh1: 95 | Rw: 70 | CRI: 95, R9: 95

Soraa Arc 4000K	CRI	R9	Rf	Rg	Rfh1	Rw	McA
	92	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, Rw 100 (typical) and 95 R9. IR and UV free. 3-step McA SDCM.

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 System.

Construction and Finish
Light engine is made of die cast aluminium, transformer case from extruded aluminum. Durable satin finish. Custom colors available.

Electrical
120VAC or 220-240VAC fully integral LED electronic constant current driver (included).
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
ARC fixtures are compatible with Soraa Arc accessories and Soraa Snap System simultaneously.*

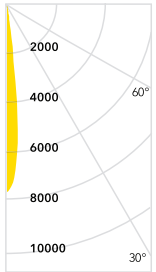
**Excludes Wall Wash Downlight*

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

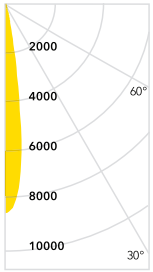
Warranty
Five year warranty. Consult www.soraa.com.

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

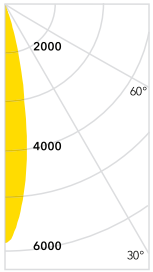
Soraa Arc Photometrics



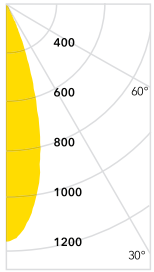
50mm
Narrow Spot
10°



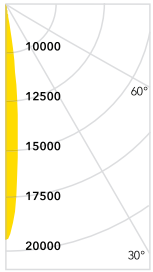
50mm
Spot
15°



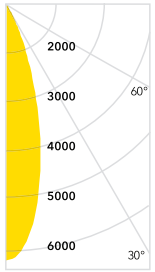
50mm
Narrow Flood
25°



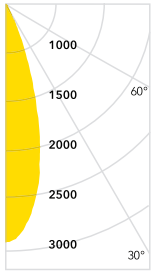
50mm
Flood
36°



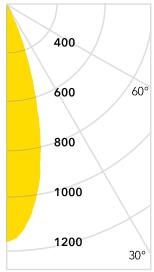
100mm
Narrow Spot
9°



100mm
Narrow Flood
25°



100mm
Flood
36°



100mm
Wide Flood
60°

SIMPLY PERFECT LIGHT.™

SORAA®

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