Soraa Snap System™ Small
Filter for Fifty, SLE16, MR16 und MR16 GU10 - 230 V

Snap System Small Ø 2" / 50 mm
Fifty
SLE16
VIVID LED MR16 GU 5.3
MR16 GU10 (230 V)

Soraa Snap System x Buschfeld
Soraa has developed the patented Snap SystemTM for its narrow beam 9°, 10 or 15° lamps. These have a self-centering magnet for fixing various filter attachments without tools, which can be used to direct the light and change the color temperature. In addition, a honeycomb louver can be added to limit glare.

Buschfeld´s portfolio includes the Soraa Retrofit lamps AR111 and MR16 with Snap System. With the start of production of the Soraa Light Engines (SLE) and the adaptation into the Sense System, Buschfeld can offer the advantages of the Snap System also for its own luminaires Ninety-Five and Fifty, as well as SLE 30 and SLE16.

The combination of different filters is possible. All this means maximum flexibility up to the point of installation of the luminaires.

Description:
The award winning Soraa Snap System™ solution that is optimized to work as an integrated system. Based on high brightness single source GaN on GaN™ LED technology, it completely redefines accessory application. The Effect that can be achieved are similar to what can be done with halogen sources, but are enabled by a relatively low operating temperature and ground-breaking optical design, materials, and methods of attachment.

Compatibility of Snap-System Filters:
The Snap System is avaiable in two diameters:
Small 2" / 50 mm for Spots with 10° or 15°
- Buschfeld range Fifty spots
- Light Engine SLE16
- Retrofit MR16
- MR16 GU10 - 230 V

Large 3.3" / 84 mm: Spots with 9°
- Buschfeld range Ninety-Five spots
- Light Engine SLE30
- Retrofit AR111

The Magnet:
The Snap System's self-centering magnetic interconnect system makes using accessories completely user friendly. Simply attached the Snap System accessory directly to any Narrow Spot Soraa lamp, the magnetic force from both the accessory and lamp will securely attached to one another and center itself.

Stacking Accessoires:
Snap filter accessories can be stacked in combination. For example, a beam spreader can be used in combination with Colour Temperature Shifter. When combining the Beam Shaping Snap accessory with Colour Temperature Shifting Snap. Accessory, for best results always place CCT shifting Snap on the lamp first, as shown in diagram below.

IES / Photometric data:
IES files of VIVID LED GU10-230 V or VIVID LED MR16 + Snap Filter are available for download at:

https://www.buschfeld.de/fileadmin/downloads/IES_VIVID_LED_MR16_Snap-System_Small.zip
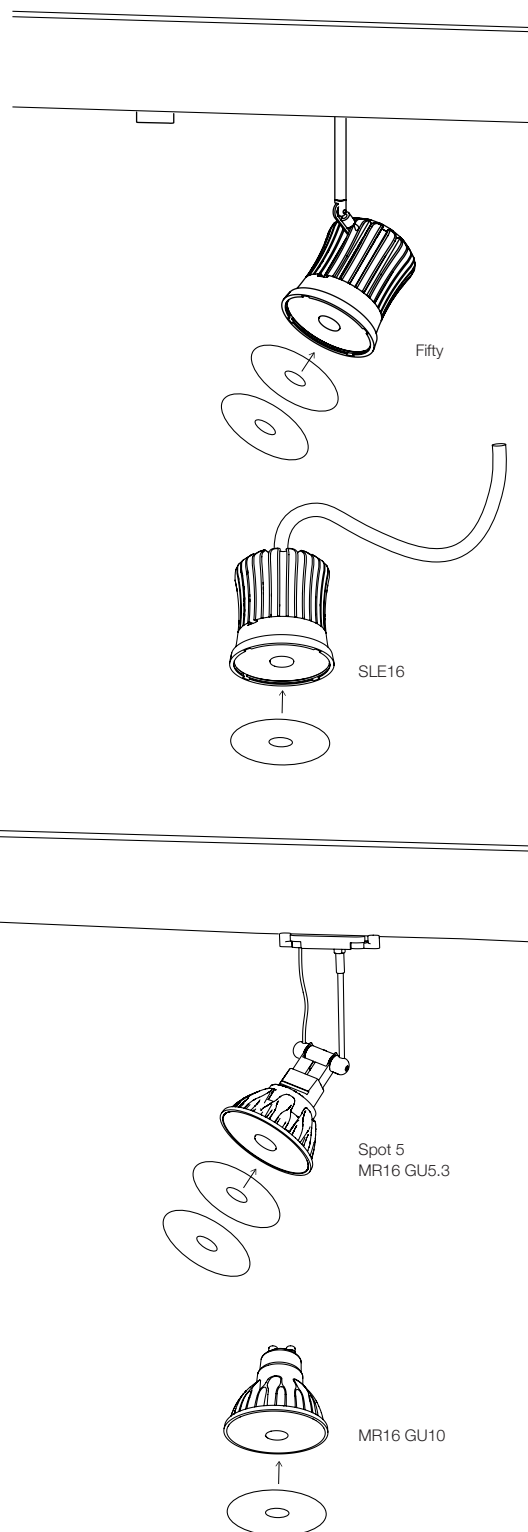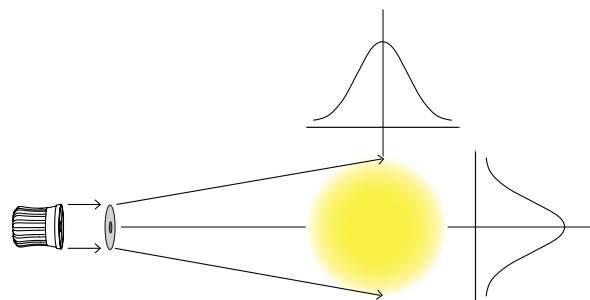
Fifty

SLE16

Spot 5
MR16 GU5.3

MR16 GU10

buschfeld

Soraa Snap System™ Small
Filter for Fifty, SLE16, MR16 und MR16 GU10 - 230 V

Ø 50 mm, T=2 mm
Lumen Transmissivity: 90%
Magnetic Attach Force: 0.45 lb-F

beam angle circular

The beam angle can be adjusted from 9° to 17°, 25°, 36° or 60°.
Use in any application where reducing the number of beam angle SKUs is required.
Reduces inventory costs. Shortens specification, design, sales cycles. Provides maximum flexibility up to the time of installation.

beam angle	field angle	CBCP of 10° light source	for IES Data Soraa part- no.	Neadcode	Buschfeld article no.
17°	33°	30%	AC-GC-1717-00-S1	03263	409
25°	40°	29%	AC-GC-2525-00-S1	00325	410
36°	55°	14%	AC-GC-3636-00-S1	00327	411
60°	103°	5%	AC-GC-6060-00-S1	00329	412

Ø 50 mm, T=2 mm
Lumen Transmissivity: 90%
Magnetic Attach Force: 0.45 lb-F
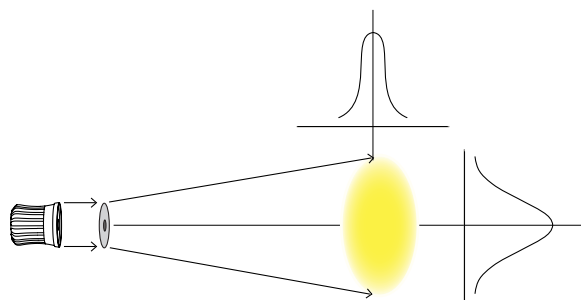
beam angle oval

The beam angle can be adjusted from 9° to 10°-25°, 10°-36° or 10°-60°. For the creation of asymmetric light beams, in particular for the illumination of linear objects. Given the oval shape of the light beam from just one light source per exhibit, fewer luminaires are required.
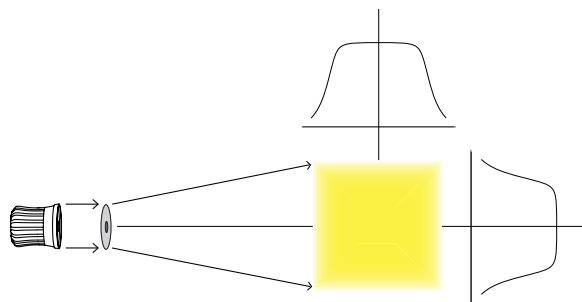
beam angle	field angle horiz. / vert.	CBCP of 10° light source	for IES Data Soraa part no.	Neadcode	Buschfeld article no.
10° - 25°	27°/35°	52%	AC-GE-1025-00-S1	00331	413
10° - 36°	27°/43°	38%	AC-GE-1036-00-S1	00333	414
10° - 60°	20°/70°	25%	AC-GE-1060-00-S1	03259	418

buschfeld

Soraa Snap System™ Small
Filter for Fifty, SLE16, MR16 und MR16 GU10 - 230 V

Ø 50 mm, T=2 mm
Lumen Transmissivity: 90%
Magnetic Attach Force: 0.45 lb-F

beam angle rectangular

The circular shape of the 9° light beam is modified to generate a rectangular shaped beam: for square light fields on walls and floors. Uniform spread of light across the designated surface. No light fade along the edges.

beam angle	field angle horiz. / vert.	CBCP of 10° light source	for IES Data Soraa part no.	Neadcode	Buschfeld article no.
25° x 25°	44°/44°	19%	AC-FR-2525-00-S1	00335	
36° x 36°	46°/46°	14%	AC-FR-3636-00-S1	00337	416

Ø 51.1 mm, T=9 mm
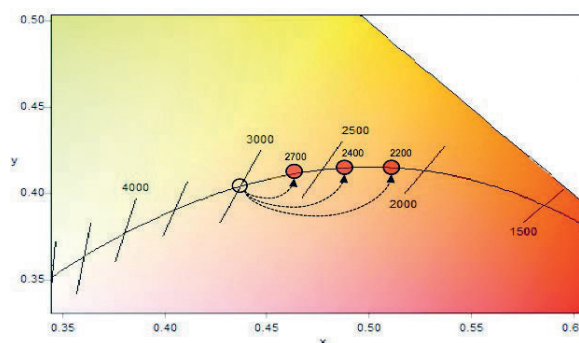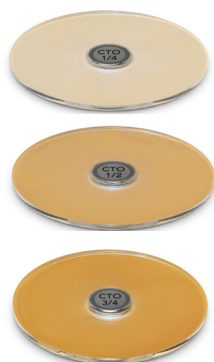Magnetic Attach Force: 0.45 lb-F
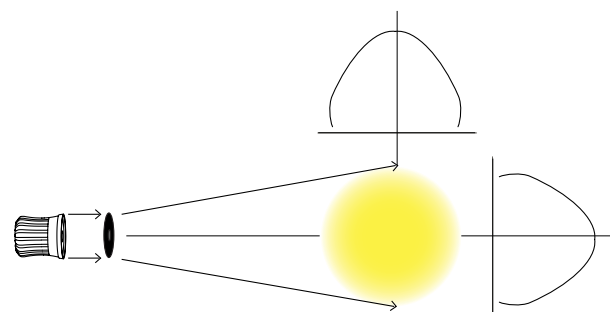
honeycomb louver

For glare control.
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 lamp face. Can be used in combination with gimbal ring fixtures.

cutoff angle	CBCP of 10° light source	for IES Data Soraa part no.	Neadcode	Buschfeld article no.
40°	63%	AC-LU-4040-00-S1	00339	417

buschfeld

2212-88xxSnap
Given that developments are part of a continuing process, all data provided is also subject to change.

Soraa Snap System™ Small
Filter for Fifty, SLE16, MR16 und MR16 GU10 - 230 V

Ø 50 mm, T=2 mm
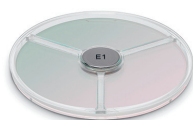Magnetic Attach Force: 0.45 lb-F

CTO 1/4

CTO 1/2

CTO 3/4

shifting colour temperature

For shifting the colour temperature to simulate dimmable warm white lighting conditions. Also on a temporary basis, for example on festive occasions.

CTO Colour Temperature Orange	Shift Effect Starting lamp CCT			Mired Shift	Lumen Transmission	for IES Daten Soraa part no.	Neadcode	Buschfeld article no.
	2700 K	3000 K	4000 K					
1/4	2450 K	2700 K	3500 K	37	90%	AC-CC-0001-00-S1	00323	400
1/2	2200 K	2400 K	3000 K	83	75%	AC-CC-0002-00-S1	00321	401
3/4	2000 K	2200 K	2700 K	120	60%	AC-CC-0003-00-S1	00319	402

Ø 50 mm, T=2 mm
Magnetic Attach Force: 0.2 lb-F

E1
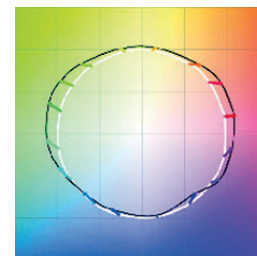
Soraa Vivid
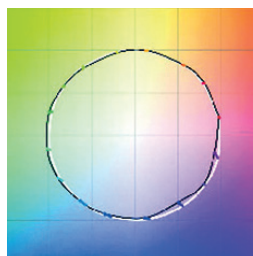
Rf:90, Rg:100
Rw (Whiteness): 120 (2700K & 3000K)

colour enhance filter

Rf:75, Rg:112
Rw (Whiteness): 130 (2700K & 3000K)

colour enhancement filter

Filter for enhanced colour quality. Increases the vibrance of warm colours (red, orange and pink) and green. Ideal for applications where different colours need to be rendered perfectly. Underscores the richness of colours. Can be used in combination with any 9° lamps.

Recommended use with CCTs of 3000K and 2700K. Recommend that the Enhance be combined with either a Honeycomb Louver Snap or with a Beam Spreader Snap.

When stacking the Colour Enhance Snap with other Snap accessories the Enhance Snap should be placed as the first filter on the lamp, followed by others.

Whiteness	Lumen Transmission	for IES Daten Soraa article no.	Neadcode	Buschfeld article no.
130%	75 %	AC-EN-0001-00-S1	03281	405

buschfeld

Soraa Snap System™ Small
Filter for Fifty, SLE16, MR16 und MR16 GU10 - 230 V

Gel Filter

Dichroicfilter

Transparent Filter

Gel

Transparent Filter

Transparent Filter

Dichroic

CL

Ø 50 mm, T=2 mm
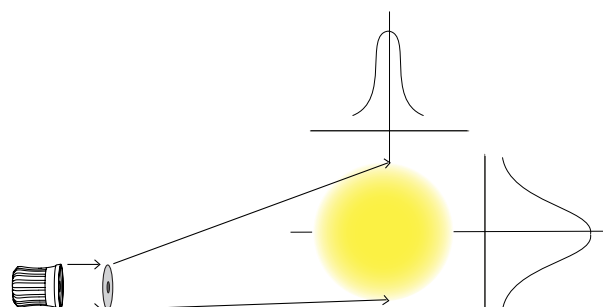Magnetic Attach Force: 0.45 lb-F

transparent filter

Use together with gel and dichroic filters for total colour freedom. Produce the exact mood and effect for any environment with this transparent / clear filter accessory.

Lumen Transmissivity		for IES Data Soraa part no.	Neadcode	Buschfeld article no.
1 filter	2 filters			
93 %	87%	AC-CL-0000-00-S1	02183	403

Ø 50 mm

aim filter

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

Use the orientation lines to adjust beam deflection angle:

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

Narrower angle between orientation lines results in more deflection. Wider angle between orientation lines results in lesser deflection

May be used with Beam Spreader, Oval and Rectangular Snap filters.

beam angle	max. Deflection	Lumen Transmission	for IES Data Soraa article no.	Neadcode	Buschfeld article no.
13°	20°	85 %	AC-AM-0020-00-S1	03255	404

buschfeld

Given that developments are part of a continuing process, all data provided is also subject to change.