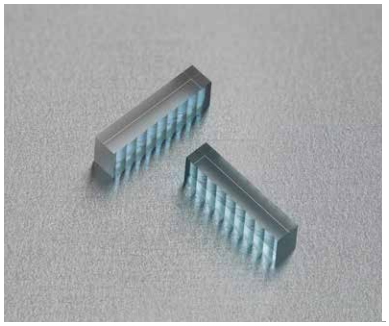
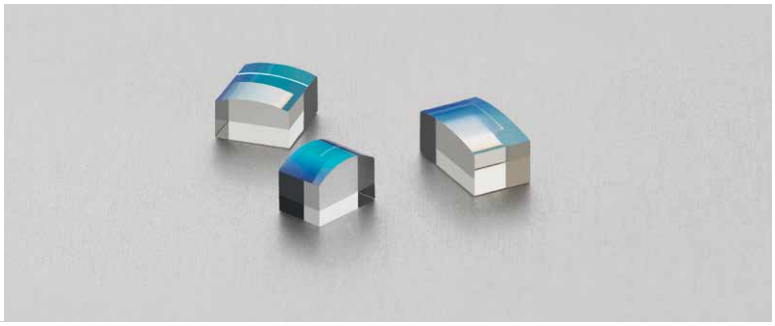
FISBA Innovators in Photonics

Slow Axis Collimator Lenses (SACs) with excellent collimation quality





FISBA's portfolio includes Slow Axis Collimator Lenses (SACs) for both single emitter diode lasers as well as SAC arrays for diode laser bars. They are the perfect completion to FISBA's wide portfolio of FACs.

Technical Data

- Feasible focal length: 4 – 15 mm
- Feasible wavelength: 405 – 1550 nm
- Length for single-emitter diode: 2 – 5 mm
- Arrays for multi-emitter (laser bars): pitch 500 or 1000 µm

FISBA Capabilities

- Lenses for single emitter diode lasers and SAC arrays for diode laser bars
- Design, prototype manufacturing and large scale production in Switzerland

Your Benefits

- Customized coating design by FISBA
- Fast ramp-up from prototype to serial production
- Ensuring SACs are never the limiting factor of your production scale-up
- Packaging according to customer request

Industries & Applications

- Diode Laser Integration
- Optical Communications

FISBA AG
9016 St. Gallen, Switzerland

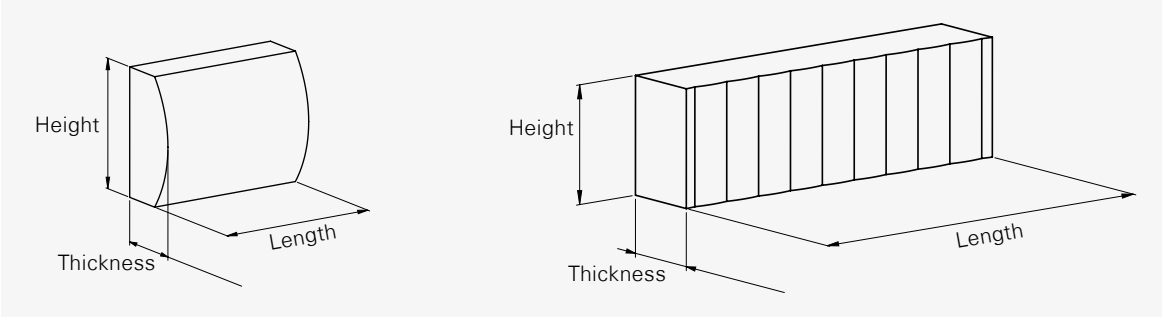
FISBA LLC
Tucson, AZ 85712, United States

FISBA Photonics GmbH
12489 Berlin, Germany

sales@fisba.com
www.fisba.com

FISBA Innovators in Photonics

Technical Specifications
Slow Axis Collimator Lenses and Arrays



Parameters	Wavelength range nm	Focal length EFL @ 940 nm mm	Back focal length BFL @ 940 nm mm	Dimension (height x thick-ness) mm	Number of emitters
Single emitters					
SAC 4000	790–990	4.0	2.65	3.0 x 2.0	1
SAC 4000	430–470	4.0	2.65	3.0 x 2.0	1
SAC 5600	790–990	5.6	4.5	3.0 x 1.65	1
Arrays for multi emitters					
SACA 500	790–990	2.6	1.9	1.5 x 1.0 x 4.8	9
SACA 500	790–990	2.6	1.9	1.5 x 1.0 x 12	23
SACA 1000	790–990	8.0	7.5	1.4 x 1.0 x 5.8	5
All SAC	Transmission (%): ≥ 98, Length (mm): customized to your request				

Customized designs available upon request

FISBA AG
9016 St. Gallen, Switzerland

FISBA LLC
Tucson, AZ 85712, United States

FISBA Photonics GmbH
12489 Berlin, Germany

sales@fisba.com
www.fisba.com