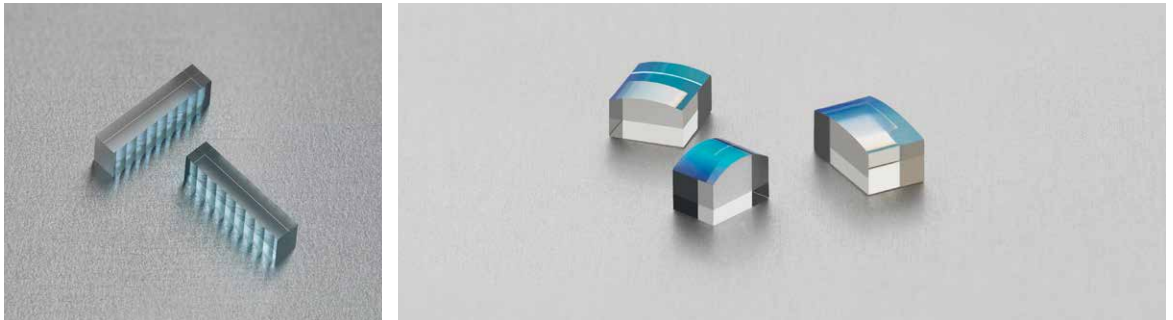


Slow Axis Collimator Lenses (SACs) with excellent collimation quality



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

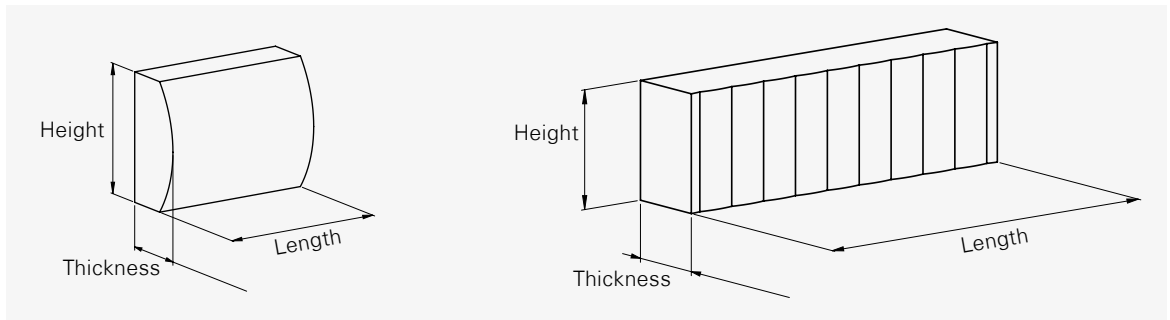
- Customized coating design by FISBA
- Fast ramp-up from prototype to serial production
- Ensuring SACs are never the limiting factor of your production scale-up
- Packaging according to customer request

Industries & Applications

- Diode Laser Integration
- Optical Communications

Technical Specifications

Slow Axis Collimator Lenses and Arrays



Parameters	Wavelength range	Focal length		Back focal length		Dimension (height x thickness) mm	Number of emitters
	nm	EFL mm	@ nm	BFL mm	@ nm		
Single emitters							
SAC 4000	790–990	4.0	940	2.65	940	3.0 x 2.0	1
SAC 4000	430–470	3.87	450	2.54	450	3.0 x 2.0	1
SAC 5600	790–990	5.6	940	4.5	940	3.0 x 1.65	1
SAC 5600	430–470	5.42	450	4.33	450	3.0 x 1.65	1
Arrays for multi emitters							
SACA 500	790–990	2.6	940	1.9	940	1.5 x 1.0 x 4.8	9
SACA 500	790–990	2.6	940	1.9	940	1.5 x 1.0 x 12	23
SACA 1000	790–990	8.0	940	7.5	940	1.4 x 1.0 x 5.8	5
All SAC	Length (mm): customized to your request						

Customized designs available upon request