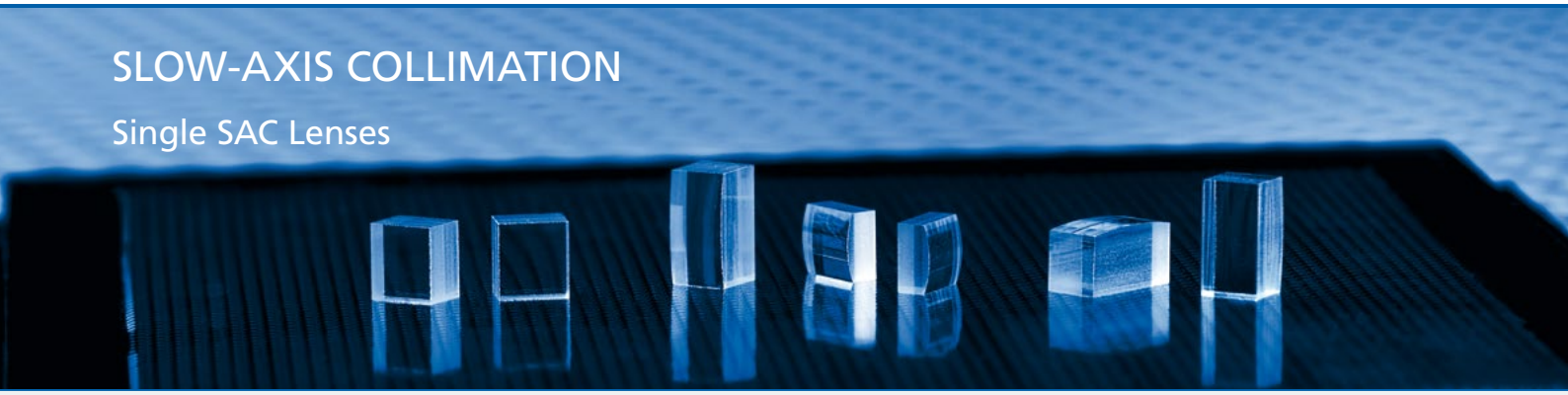
INGENERIC

SLOW-AXIS COLLIMATION

Single SAC Lenses



GENERAL DESCRIPTION

The Slow-Axis Collimation optics is a highly efficient means of forming the beam in the slow-axis of diode lasers. It is available either as a monolithic array of cylindrical lenses or as a single lens for single emitter collimation. The aspheric design of the optics guarantees an efficient collimation of the light. In addition, the precise centering of the lens and the low wedge error mean that the performance of the Fast Axis is not affected. All our optics are produced using high-quality optical glass.

ADVANTAGES

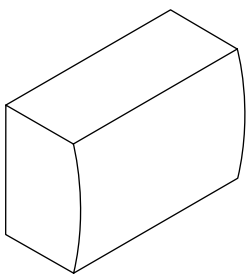
- Transmission up to 99%
- Perfect reproducibility thanks to molding technology
- Reliable and stable quality
- Highest level of precision and uniformity
- Customized solutions with small NRE-costs
- Highly economical manufacturing process for large quantities
- Precise outer dimensions and centering for easy assembly
- Clear aperture close to the edge

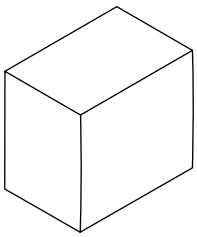
PRODUCT SPECTRUM

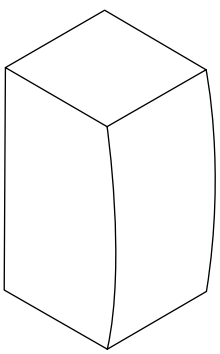
In order to offer the best solution for your application INGENERIC provides a broad spectrum of Single SAC optics from the shelf. With respect to length and height as well as to wavelength the lenses can be tailored to your specific needs.

QUALITY

We operate an extended quality control policy. By testing the lenses with state-of-the-art metrology equipment we ensure superior performance of the SACs within the application at your site. In conjunction with our sophisticated manufacturing technology, this guarantees the production of optics with unsurpassed collimation characteristics.







INGENERIC GmbH
Zum Carl-Alexander-Park 7
52499 Baesweiler
Germany

Phone +49 2401 804 70400
Fax +49 2401 804 70499

contact@ingeneric.com
www.ingeneric.com

Slow-Axis Collimation

Single SAC Lenses

SPECIFICATION DATA

We offer Single SACs with an EFL up to 37mm.

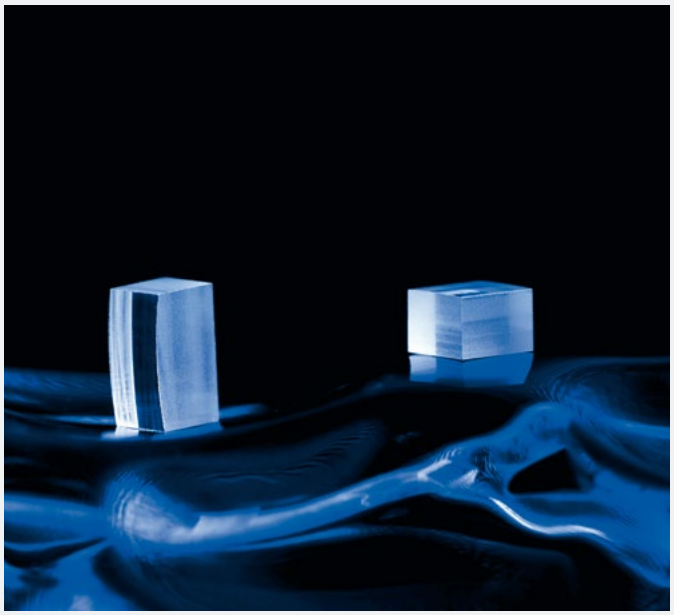
Lens Type	EFL [mm]	CA max for NA [mm]	H** max [mm]	L* [mm]	CT [mm]
S-SAC-F3.7	3.70	2.20	2.30	tbd.	1.00
S-SAC-F8.0	8.00	2.60	3.00	tbd.	1.00
S-SAC-F12	12.00	5.00	6.00	tbd.	1.90
S-SAC-F20	20.00	7.24	7.50	tbd.	2.00
S-SAC-F37	37.00	7.50	7.68	tbd.	1.50

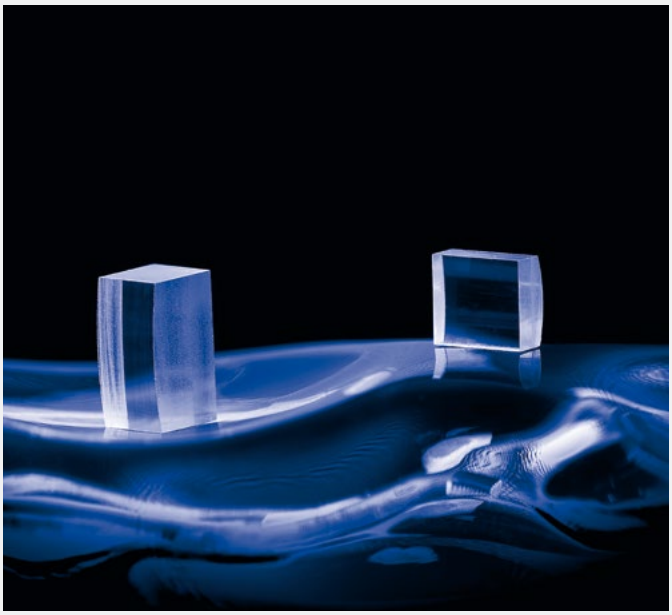
SERVICE AND OPTIONS

INGENERIC also designs, develops and manufactures customized SAC lenses, which have been optimized to meet the specific requirements of your application.

- customized numerical aperture, focal length, back focal length and pitch
- customized length and height
- customized coating

Please contact our service team at **contact@ingeneric.com** to learn more.





EFL: Effective focal length @ 808 nm
CA: Clear aperture
NA: Numerical aperture
Coating: Standard AR 780-1020 nm or upon request

Transmission: > 99%
L*: Length 1.0…14.0mm (+/-0.10 mm) according to customer specification
H**: Height 1.0 up to max. height according to table
CT: Center Thickness (+/- 0.02 mm)