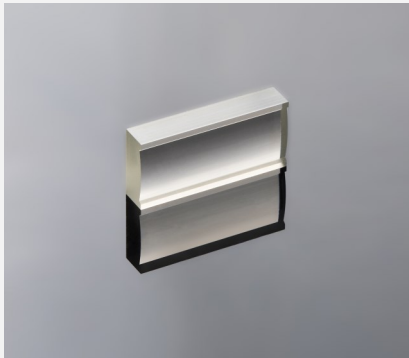


# Slow Axis Collimator



## Features and Advantages

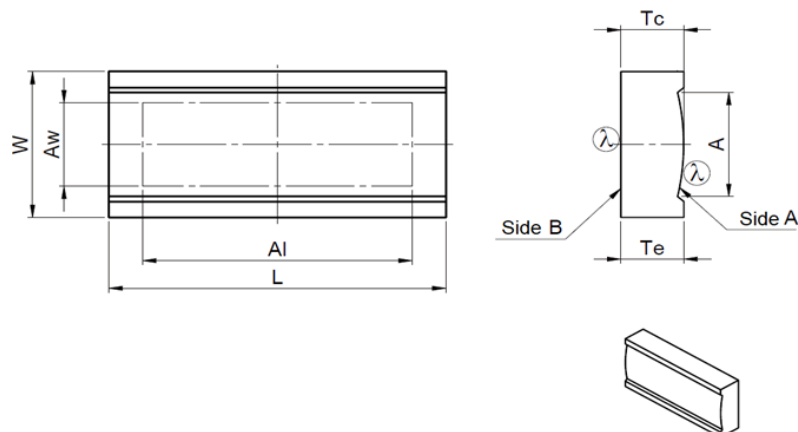
Acylindrical lens for the collimation of the slow axis of diode lasers.

## Product Specifications

Product Code		ZLE000104 <sup>(1)</sup>
Specification Data	Unit	Value
Material		S-TIH53 (Ohara)
Length (L)	mm	15.0 ± 0.05
Width (W)	mm	7.0 ± 0.05
Thickness (Te)		2.81 ± 0.05
Clear Aperture (A <sub>l</sub> x A <sub>w</sub> )	mm <sup>2</sup>	12.0 x 3.0
Refractive Index n @ 808 nm		1.823
Effective focal length EFL @ 808 nm	mm	14.22 (radius 11.7 ± 0.5)
Back focal length BFL @ 808 nm	mm	12.68
NA		< 0.2
Standard Coating - AR	nm	790 - 990
Transmission	%	> 99
Surface imperfections (DIN ISO 10110-7)		5/ 5×0.063; C4×0.25; L4×0.063; E0.5

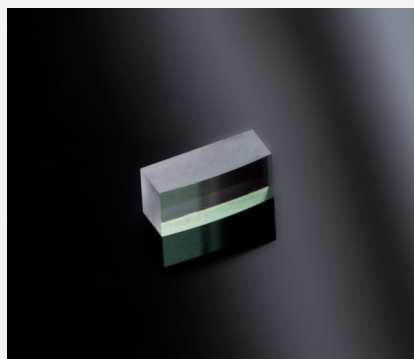
<sup>(1)</sup> Example for customization – design, dimensions, coatings & bottom tabs for mounting on request.

## Product Drawing (mm)



# SAC - Slow Axis Collimation Lenses

## SAC12 / SAC22



### Features and Advantages

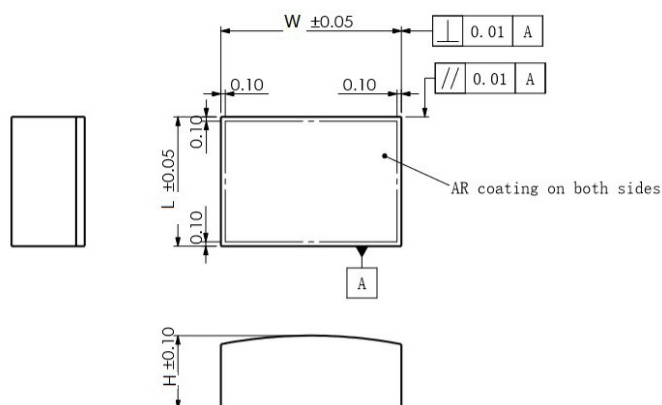
- High index, thinner & lighter upon premium collimation performance
- Wafer based technology without symmetric issues & capacity concern
- Better surface waviness and roughness performance
- Excellent optical coating durability for wide bandwidth
- Unbiased physical dimension for automatic assembly
- Aspheric design available for your request

### Product Specifications

Product Code	ZLE002281	ZLE002280
Product Series	SAC12	SAC22
Specification Data	Unit	Value
Material		High Index Glass
Length (L) <sup>(1)</sup>	mm	2.4 ± 0.05
Width (W)	mm	4.2 ± 0.05
Thickness (T)	mm	1.7 ± 0.1
Clear Aperture	mm <sup>2</sup>	2.1 x 3.6
Refractive Index n @ 915 nm		1.759
Effective Focal Length (EFL) @ 915 nm	mm	12.00
Back Focal Length (BFL) @ 915 nm	mm	11.03
Numerical Aperture (NA)		< 0.2
Standard Coating <sup>(1)</sup> - AR 900-1000 nm Transmission	%	> 98

<sup>(1)</sup> Example for customization – length and coatings on request.

### Product Dimensions (mm)



Rev 03 | Updated June 8, 2022

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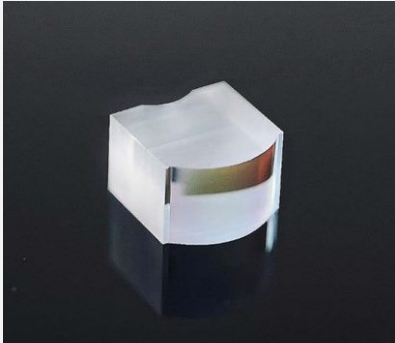
Focuslight (DG) Microoptics Co. Ltd.

Address: Bookenburgweg 4-8, 44319 Dortmund, Germany

Address: No. 49, Jingyi Road, Dongcheng Street, Dongguan City, Guangdong Province, China

Tel: +49 231 22 24 1-0 (DE) +86 29 8956 0050 (CN) | Email: sales@focuslight.com | Website: <https://www.focuslight.com>

# Meniscus SAC for Compact Designs in Blue



## Features and Advantages

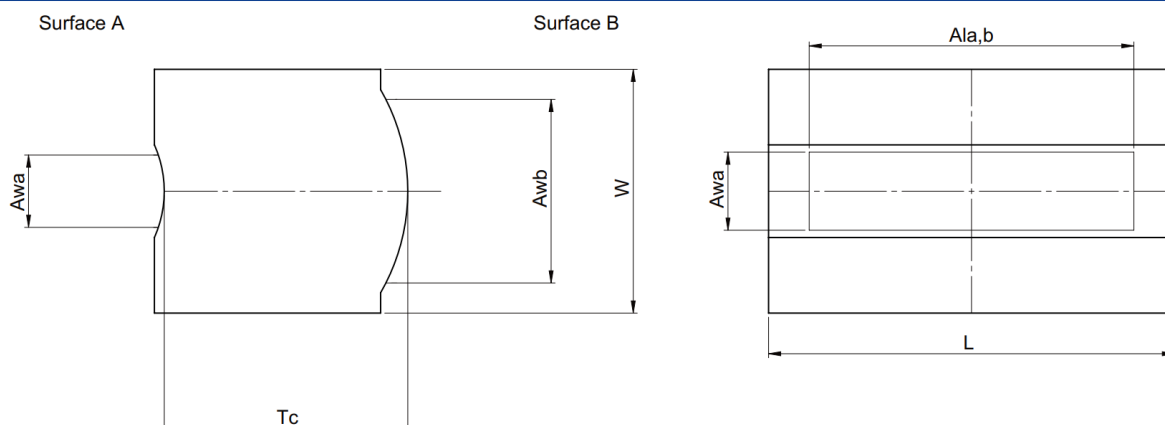
Concave-convex acylindrical lens for the collimation of the slow axis of diode lasers. Superior meniscus design for both small divergence and compact builds in high-power blue lasers.

(\*)Product similar to image, see product drawing below.

## Product Specifications

<b>Product Code</b>	<b>ZLE002360</b>	
Part No.	SAC 9.7	
Specification Data	Unit	Value
Material		FL-VIS-LI
Length (L)	mm	$2.0 \pm 0.05$
Width (W)	mm	$3.0 \pm 0.05$
Center thickness (Tc)	mm	$3.03 \pm 0.1$
Clear Aperture Surface A (Ala x Awa)	mm <sup>2</sup>	$1.5 \times 1.14$
Clear Aperture Surface B (Alb x Awb)	mm <sup>2</sup>	$1.5 \times 2.5$
Effective Focal Length (EFL) @ 445 nm	mm	$9.7 \pm 0.8$
Back focal length (BFL) @ 445nm	mm	$4.0 \pm 0.5$
Transmission	%	> 99
AR Coating	nm	430 - 470
Power within an angle of $\pm 2.0$ mrad	%	> 90
Surface imperfections (DIN ISO 10110-7)	5/3x0.025; C2x0.1; L2x0.025; E0.1	

## Product Dimensions (mm)



Rev 03 | Updated June 8, 2022

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