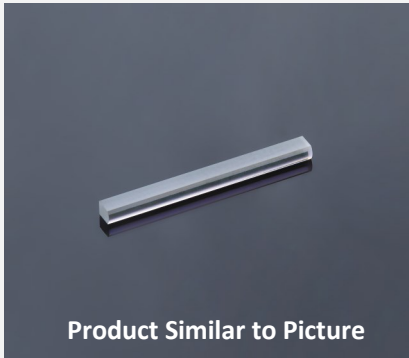


# Fast Axis Collimator

## Blue FAC300 (BFL = 70 $\mu$ m)



Product Similar to Picture

### Features and Advantages

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

Power Enclosure >92% within  $\pm 1.2$  mrad and >94% of the energy within Gaussian distribution.

### Product Specifications

Specification Data	Unit	Value
Material		FL-Blue
Width (W)	mm	0.5 $\pm$ 0.05
Thickness (T)	mm	0.41 $\pm$ 0.01
Clear aperture	mm <sup>2</sup>	(L-0.5) $\times$ 0.4
Refractive index n @ 450nm		>1.75
Effective focal length (EFL) @ 450nm	mm	0.30
Back focal length (BFL) @ 450nm	mm	0.07
Numerical aperture (NA)		0.7
Transmission	%	> 99
Power within an angle of $\pm 1.2$ mrad <sup>(1)</sup>	%	> 92
Power within Gaussian distribution	%	> 94
Surface imperfections (DIN ISO 10110-7)		5/2x0.025; C2x0.1; L2x0.025; E <sup>(2)</sup>
<b>Product Code</b>		<b>ZLE002382</b>

Specification Data	Unit	Value
Length (L)	mm	4.0 $\pm$ 0.05
AR-Coating	nm	430 - 470

<sup>(1)</sup> Valid for an emitter-height of 0.7  $\mu$ m and no smile of the laser diode.

<sup>(2)</sup> Chipping on short edge 0.2, chipping on long edge 0.08.

<sup>(3)</sup> Example for customization – design, dimensions & coatings on request.

### Product Dimensions (mm)

