

# Fast Axis Collimator - FAC590



**General Description:** | **Advanced Optical Solutions** |  
Acylindrical lens for the collimation of the fast axis of diode lasers.

## Specification Data

	Unit	Value
Material		S-TIH53 (Ohara)
Length (L)	mm	12.0 ± 0.05
Width (W)	mm	1.0 ± 0.05
Thickness (T)	mm	0.8 ± 0.01
Clear aperture	mm <sup>2</sup>	11.5 x 0.9
Surface quality @ 633 nm		λ/4 (typically)
Refractive index n @ 808 nm		1.823
Effective focal length (EFL) @ 808 nm	mm	0.59
Back focal length (BFL) @ 808 nm	mm	0.15
Numerical aperture (NA)		0.8
Transmission	%	> 99
Power within an angle of ± 1.1 mrad (*)	%	> 85

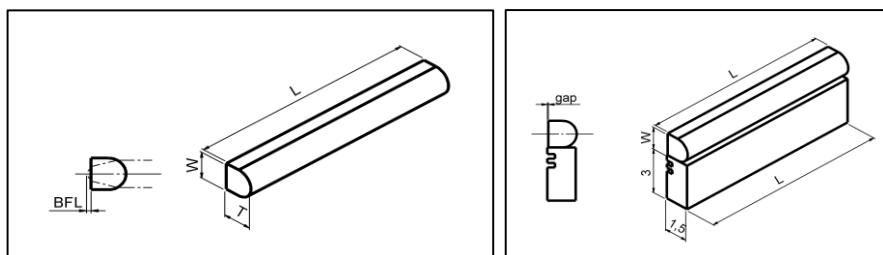
## Product Code

## AR Coating

ZLE001319	600 - 700 nm	
ZLE000115	790 - 990 nm	
ZLE001684	1000 - 1600 nm	
MOD000362	790 - 990 nm	<b>With bottom tab (gap 0.1mm)</b>

## Options

- Customized coating
- Customized length
- Other dimensions or mounting blocks



NOTE: Optical design is included in ZEMAX lens catalog.

**RoHS compliant**  
2002/95/EG

(\*) Valid for an emitter-height of 1µm and no smile of the laser diode

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