

# FAC570 FS

ZLE002217

# LIMO

A Focuslight Company



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## General Description:

## | Advanced Optical Solutions |

Acylindrical biconvex lens for the collimation of the fast axis of diode lasers. The lens is made of fused silica and optimized for high power VIS transmission so that it withstands powers of 300 W or even higher.

## Specification Data

## Unit

## Value

Material		Fused Silica
Length (L)		14 ± 0.1
Width (W)	mm	1.0 ± 0.05
Center thickness (Tc)	mm	0.96 ± 0.05
Clear aperture (Side A)	mm <sup>2</sup>	13 x 0.4
Clear aperture (Side B)	mm <sup>2</sup>	13 x 0.65
Surface quality @ 633 nm		λ/4 (typically)
Refractive index n @ 450 nm		1.466
Effective focal length (EFL) @ 450 nm	mm	0.57
Back focal length (BFL) @ 450 nm	mm	0.17 ± 0.02
Numerical aperture (NA)		0.7
Standard coating - AR	nm	400-480
Transmission / AOI	% / °	> 99 / 0-30
Power within an angle of ± 1.1 mrad	%	> 90

**RoHS compliant**

2002/95/EG

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