

# BLUE DIODE LASER OPTICS



## HIGH ABSORPTION

### MATERIAL PROCESSING

- 3D printing
- Welding: copper & aluminum

### CONSUMER APPLICATION

- Blue laser engraving & cutting

## LIGHTING

- Lighting via phosphors
- Laser projector





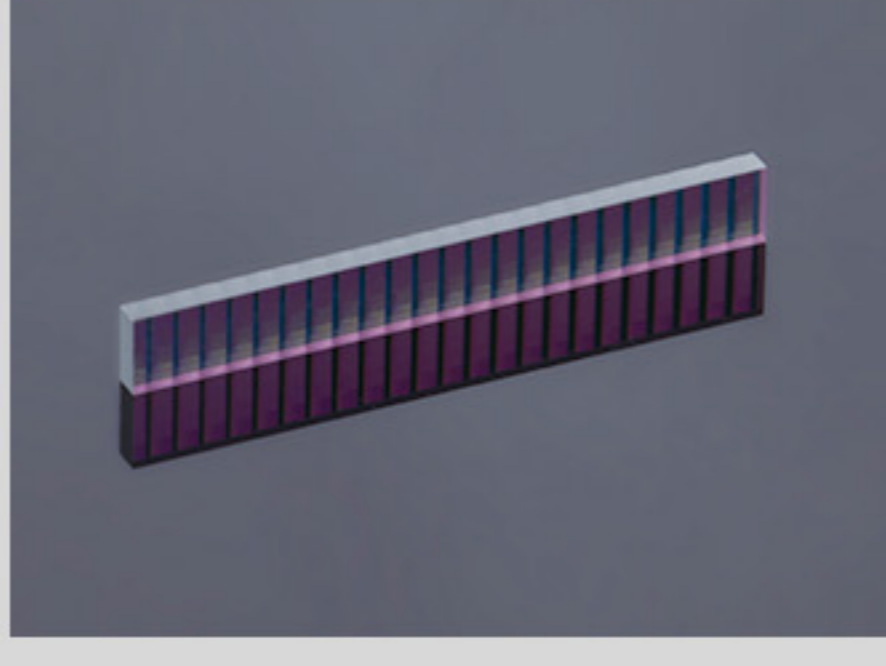

## PUMPING SOURCE

- Pr:YLF and Ti:Sa

## MEDICAL

- Bacterial treatment
- Surgery



Typical Products	Product Photo	Product Code	Dimensions (mm)	EFL (mm)	Features
Blue FAC 300		ZLE002527	4.0 x 0.5 x 0.41	0.30	Acylindrical plano-convex/biconvex fast axis collimator for the collimation of the fast axis of high-power blue diode lasers, also with customizable EFL.
Blue FAC 380		ZLE002500	4.0 x 0.64 x 0.537	0.38	
Fused Silica FAC		ZLE002150	5.6 x 1 x 0.96	0.57	
		ZLE002217 *	14 x 1 x 0.96	0.57	
		ZLE002284 *	4.0 x 1 x 0.96	0.57	
Blue Meniscus SAC		ZLE002360	2.0 x 3.0 x 3.03	9.7	Concave-convex, acylindrical lens design for the collimation of the slow axis of high-power blue diode lasers, bringing benefits for compact modules with limited space.
Monolithic Collimator		ZLE002061	2.5 x 2.5 x 5.78	5.02	Simultaneously collimates the light from the fast and slow axes of blue TO-CAN lasers, producing a symmetrical beam with an almost round far-field profile.
Monolithic Fiber Coupler		ZLE000420	2.4 x 2.4 x 2.0	1.047 (Fast axis); 1.752 (Slow axis)	Simultaneously collimates the light from the fast and slow axes of blue TO-CAN lasers, coupling the beam to a single fiber with only one lens element.
Fused Silica Lens Array		(Typical customization)	1.0 x 10.0 x 1.0 (Pitch 0.4)	1.95	Fused silica lens arrays for the collimation of the slow axis of high-power blue diode laser bars with a standard or customized pitch available.
Fused Silica BTS		(Typical customization)	12 x 1.75 x 1.5 (Pitch 0.2)	0.68	Beam transformation system (BTS) converts the asymmetrical beam parameter product (BPP) in slow and fast axis into a more symmetrical BPP by stacking the emitters spatially.

\* Typical customization of products.

## COMPANY INTRODUCTION

Founded in 2007 and headquartered in Xi'an, China, Focuslight Technologies Inc. is a fast-growing public company (SSE Star Market: 688167) that develops and manufactures high power diode lasers (photon generation), laser optics (photon control), and photonics modules and systems (application solutions) with a focus on automotive, pan-semiconductor, and medical & health application solutions. In 2017, Focuslight successfully acquired LIMO GmbH, and completed the brand unification in January 2022. In January 2024, Focuslight acquired SUSS MicroOptics (now as Focuslight Switzerland). Focuslight owns over 400 patents worldwide and is ISO 14001, ISO 45001, ISO 9001, and IATF 16949 certified. Additional information can be found at [www.focuslight.com](http://www.focuslight.com).