

# 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



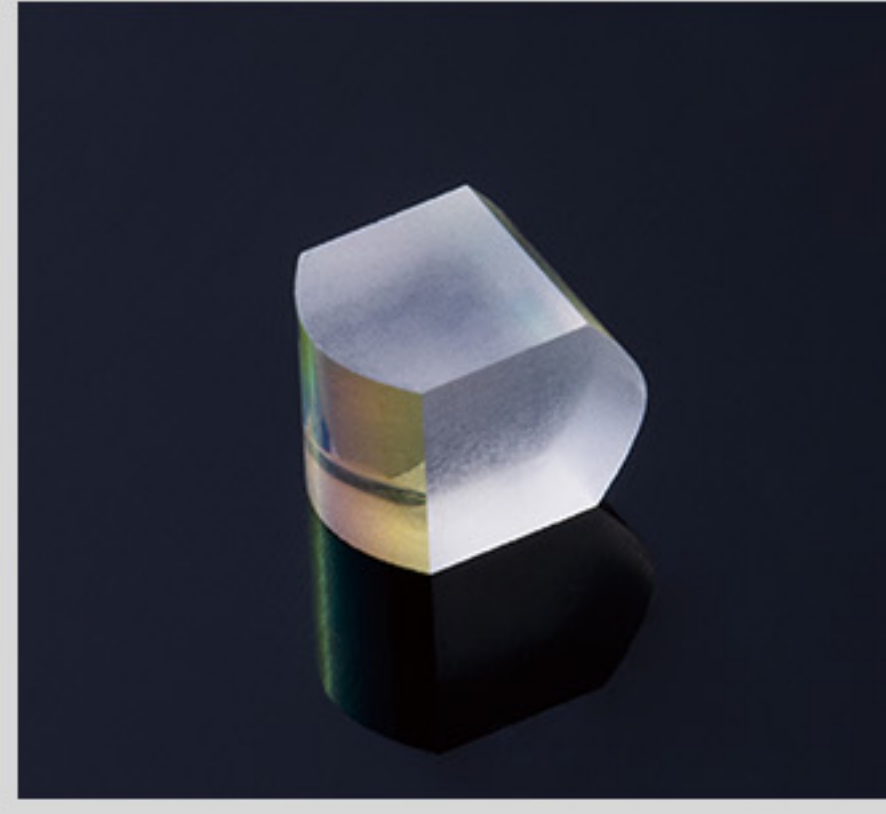

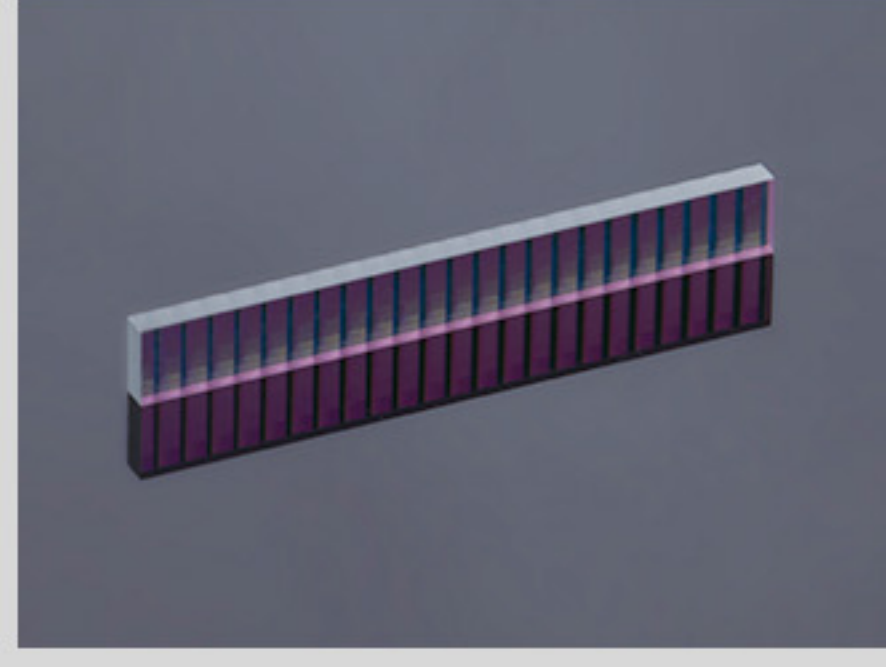

## PUMPING SOURCE

- 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	Acyindrical 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 is a fast-growing company that develops and manufactures high-power diode laser components and materials (photon generation), laser optics (photon control), photonic application modules, assemblies, and sub-systems (photonics application solutions) with a focus on automotive, pan-semiconductor, and medical & health application solutions. After the successful IPO at the Shanghai Stock Exchange Star Market (Ticker Symbol: 688167) in December 2021, Focuslight has unified its brand globally in January 2022. Focuslight has over 420 patents worldwide and is ISO 14001, ISO 45001, ISO 9001, and IATF 16949 certified.