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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

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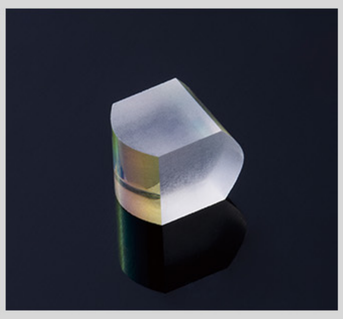
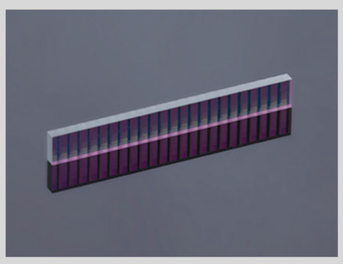
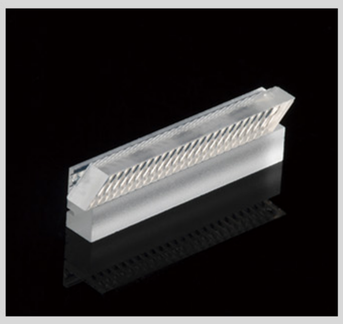
REV.2409B04

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 (Shanghai: 688167) that specializes in developing and manufacturing high-power diode laser components and materials, laser optics, as well as photonics module and system solutions focusing on optical communication, automotive, pan-semiconductor, and medical and health applications. Focuslight has expanded its global footprint through strategic acquisitions including LIMO GmbH in 2017 and SUSS MicroOptics SA in 2024 (now as Focuslight Switzerland SA). With the acquisition of assets from ams OSRAM in 2024, Focuslight extends its business to be a global photonics foundry by providing global photonics industry process development and manufacturing service under the brand of Heptagon.

Focuslight Technologies Inc.

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