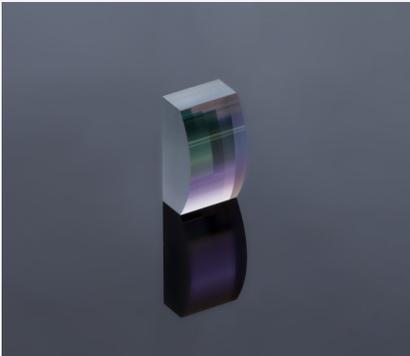


Fast Axis Collimator

FAC3000 (BFL=2 mm)



Features and Advantages

Aspherical cylindrical lens for the collimation of the fast axis of diode lasers. Optimized for nano-stack emitters and LiDAR applications.

Product Specifications

Specification Data	Unit	Value
Material		S-TIH53 (Ohara)
Width (W)	mm	3.20 ± 0.05
Thickness (T)	mm	1.818 ± 0.02
Refractive index n @ 905 nm		1.817
Effective focal length (EFL) @ 905 nm	mm	3.0
Back focal length (BFL) @ 905 nm	mm	2.0
Numerical aperture (NA)		0.6
Transmission	%	> 99
Power within an angle of ± 0.22 mrad for 1 μm height emitter ⁽¹⁾	%	> 90
Power within an angle of ± 2.2 mrad for 10 μm height nano-stack ⁽¹⁾	%	> 90

Product Code	ZLE002318	ZLE002319
Specification Data ⁽²⁾	Unit	Value
Length (L)	mm	2.1± 0.05 4.0 ± 0.05
Optimized for		4-channel nano-stack 8-channel nano-stack
Clear aperture	mm ²	1.8 x 2.9 3.6 x 2.9
AR-Coating	nm	885 - 955 885 - 955
Surface imperfections (DIN ISO 10110-7)	5/5x0.063; C3x0.1; L4x0.025; E0.1	5/5x0.063; C3x0.1; L4x0.025; E0.1

⁽¹⁾ Valid for no smile of the laser diode.

⁽²⁾ Customized design, dimensions, coatings & mounted glass tabs on request.

Product Drawing (mm)

