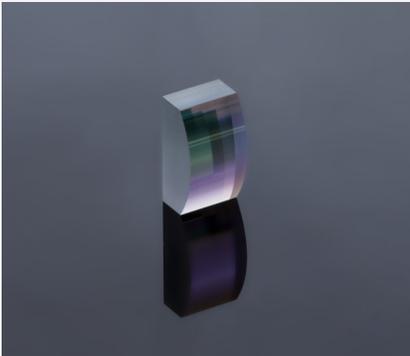


Fast Axis Collimator

FAC7700 (BFL=5 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 with >99% power transmission.

Product Specifications

Specification Data	Unit	Value
Material		S-BSL7 (Ohara)
Width (W)	mm	7.50 ± 0.08
Thickness (T)	mm	4.10 ± 0.02
Refractive index n @ 905 nm		1.508
Effective focal length (EFL) @ 905 nm	mm	7.7
Back focal length (BFL) @ 905 nm	mm	5.0
Numerical aperture (NA)		0.48
Transmission	%	> 99
Power within an angle of ± 0.85 mrad (FW0.1°) for 10 μm nano-stack ⁽¹⁾	%	> 80

Product Code	ZLE002310	ZLE002303
Specification Data⁽²⁾	Unit	Value
Length (L)	mm	3.2 ± 0.08 4.9 ± 0.05
Optimized for		4-channel nano-stack 8-channel nano-stack
Clear aperture	mm ²	2.8 x 7.1 4.5 x 7.1
AR-Coating	nm	885 - 935 885 - 935
Surface imperfections (DIN ISO 10110-7)	5/4x0.025; C2x0.1; 3x0.04; E0.15	5/4x0.025; C3x0.1; 4x0.04; E0.15

⁽¹⁾ Valid for no smile of the laser diode and using Osram SPL S4L90A nano stack.

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

Product Drawing (mm)

