

Fast Axis Collimator Lenses (FACs)

The Essential Components for Laser Diodes

We ensure FACs are never the limiting factor of your production scale-up.

Your Benefits

- **Independent supplier:** As a leading and independent manufacturer of FACs in large quantities we support your economic autonomy.
- **Reliability:** Profit from our high-quality production in Switzerland.
- **Large standard portfolio:** Choose from a large variety of standard FAC lenses.
- **Fast ramp-up:** From prototypes to serial production.
- **Customized to needs:** We incorporate your needs in design, coating and packaging.



Technical Data

- Effective focal length: 200 – 1700 μm
- Material: high index glass with $n > 1.8$
- Covered wavelength range: 430 – 1600 nm
- Length: 2 – 20 mm



Select your FAC

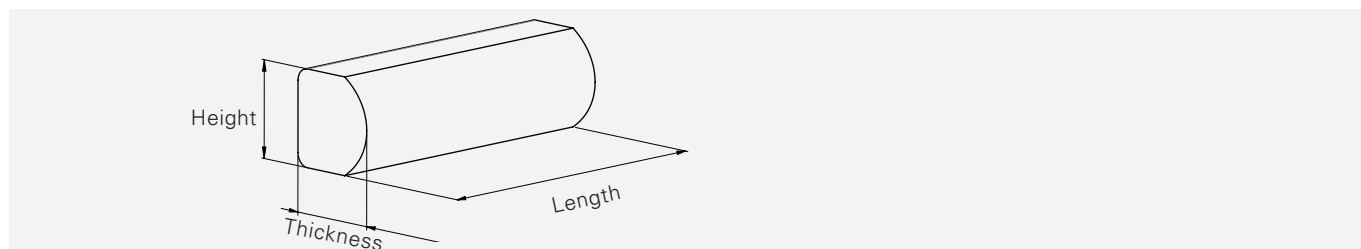


Applications

- Diode Laser Systems
- Fiber Laser Pumps
- Disk Laser Pumps
- Solid-state Laser Pumps
- LiDAR Systems

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Technical Specifications



	Wavelength Range	Numerical Aperture	Focal Length		Back Focal Length		Dimension (Height x Thickness)
			EFL μm	@ nm	BFL μm	@ nm	
	nm	-					mm
FAC 200	790–990 750–850	0.8	200	940 808	55 54	940 808	0.33 x 0.27
FAC 210	430-470	0.7	210	450	64	450	0.28 x 0.23
FAC 300	790–990 750–900 515–705 1250 – 1360	0.8	300 300 290 320	940 808 638 1300	70 68 65 78	940 808 638 1300	0.50 x 0.43
FAC 310	430–470	0.75	310	450	75	450	0.50 x 0.41
FAC 360	790–990	0.8	360	940	70	940	0.60 x 0.53
FAC 360	1450–1550	0.8	370	1470	74	1470	
FAC 380	430-470	0.75	380	450	75	450	0.64 x 0.55
FAC 450	790–990	0.8	450	940	100	940	0.75 x 0.64
FAC 510	790–990	0.8	510	940	116	940	0.90 x 0.71
FAC 600	790–990	0.8	600	940	120	940	1.00 x 0.87
	620–750	0.5	590	670	131	670	0.80 x 0.82
	430–470	0.8	600	450	140	450	1.00 x 0.83
FAC 740	790–990	0.8	740	940	70	940	1.20 x 1.22
FAC 900	790–990	0.8	900	940	90	940	1.60 x 1.49
FAC 940	790–990	0.8	940	940	201	940	1.60 x 1.34
FAC 1100	790–990	0.7	1100	940	110	940	1.50 x 1.77
	790–990	0.45	1100	940	152	940	1.10 x 1.72
FAC 1300	790–990	0.7	1300	940	130	940	1.80 x 2.12
	430-470	0.7	1325	450	450	450	1.90 x 1.56
FAC 1500	790–990 1500-1600	0.7	1500	940	90	940	2.00 x 2.57
FAC 1700*	620–750	0.6	1690	630	1150	630	2.63 x 1.24
	470–550		1680	520	1130	520	
	430–470		1650	450	1100	450	
All FAC	Length (mm): customized to your request						

* Design optimized for sources in TO package. BFL does not include 90 μm shift due to cover glass.
Customized designs available upon request.