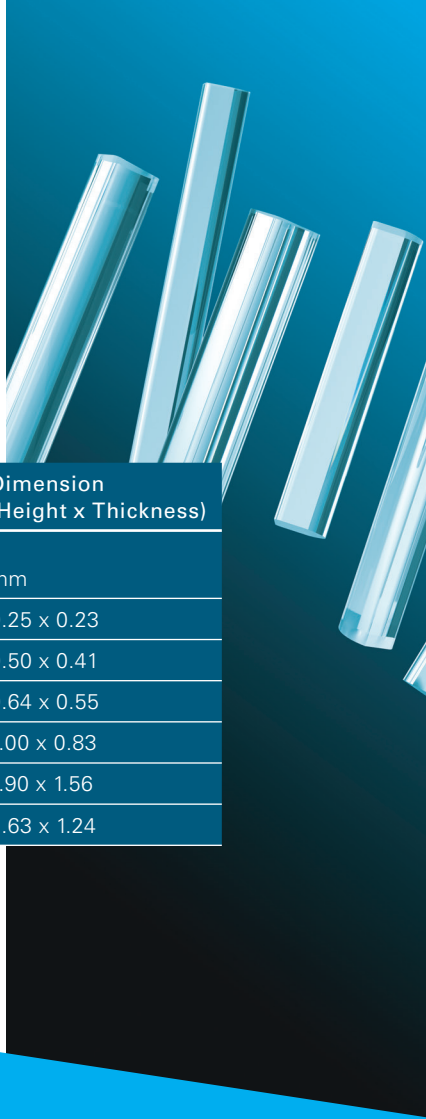
FISBA Innovators in Photonics

Fast Axis Collimator Lenses (FACs) for **BLUE** Applications

High NA FACs with high transmission in blue wavelength range thanks to high refractive index glass with low absorption.



	Wavelength Range	Numerical Aperture	Focal Length		Back Focal Length		Residual Divergence		Dimension (Height x Thickness)
	nm	–	EFL µm	@ nm	BFL µm	@ nm	mrad*	@ % power enclosure	mm
FAC 210	430–470	0.7	210	450	64	450	±3.00	85	0.25 x 0.23
FAC 310	430–470	0.75	310	450	75	450	±2.25	85	0.50 x 0.41
FAC 380	430–470	0.75	380	450	75	450	±2.00	90	0.64 x 0.55
FAC 600	430–470	0.8	600	450	140	450	±1.85	95	1.00 x 0.83
FAC 1300	430–470	0.7	1325	450	450	450	±0.70	85	1.90 x 1.56
FAC 1700**	430–470	0.6	1650	450	1100	450	±0.75	85	2.63 x 1.24

* Measured at a different wavelength and NA 0.29, spec value calculated from this measurement.
** Design optimized for sources in TO package. BFL does not include 90 µm shift due to cover glass.

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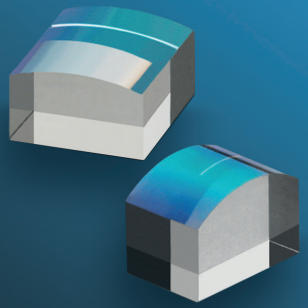
Slow Axis Collimator Lenses (SACs) for Single Emitter **BLUE** Applications

Aspherical surface leads to superior collimation quality compared to standard circular cylindric SACs.



	Wavelength Range	Focal Length		Back Focal Length		Dimension (Height x Thickness)
	nm	EFL µm	@ nm	BFL µm	@ nm	mm
SAC 4000	430 – 470	3.87	450	2.54	450	3.00 x 2.00
SAC 5600	430 – 470	5.42	450	4.33	450	3.00 x 1.65
SAC 12000	430 – 470	11.55	450	10.65	450	3.50 x 1.50

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