

Fiber Collimators

Ordering Information

Information on Selecting Lenses

The focal length of the lenses installed in fiber collimators must be specially adapted to the fibers used, taking into account the laser wavelength and the desired beam diameter. Only in this way is it possible to optimally collimate the divergent light emitted from the fiber.

Ambient Conditions

Storage temperature -20 to +60 °C
 Operating temperature +15 to +40 °C
 Humidity Non-condensing

On your order, please indicate the following:

- Letter/number combination according to the order number codes for fibers
- If desired, indicate your specific requests and requirements

Information on Choosing Connectors

When ordering, please specify whether the FC connector of the fiber collimator is to be designed for a fiber with an 8° polish (FC8/PC8) or with a 0° polish (FC0/PC0). You will find additional information on fiber polishes on page 11.

Type	Connector	Wavelength(s) [nm]	Beam diameter [mm]	NA of the fiber
FOC10 Z: fiber collimation with Z-adjustment	FC8/PC8: connector for FC8 and PC8 (fibers with 8° polish) FC0/PC0: connector for FC0 and PC0 (fibers with 0° polish)	Individual wavelengths between 400 and 700 nm or wavelength ranges: BVIS (400-450) or VIS (450-640) RVIS (630-700)	0.6 to 2.0	0.08 to 0.12

Practical Example	
FOC10 Z - FC8/PC8 - 473 - 1.0 - 0.10 Fiber collimator with Z-adjustment	Connector for FC8 and PC8, operating wavelength 473 nm, 1.0 mm beam diameter, for a fiber with a numeric aperture of 0.10