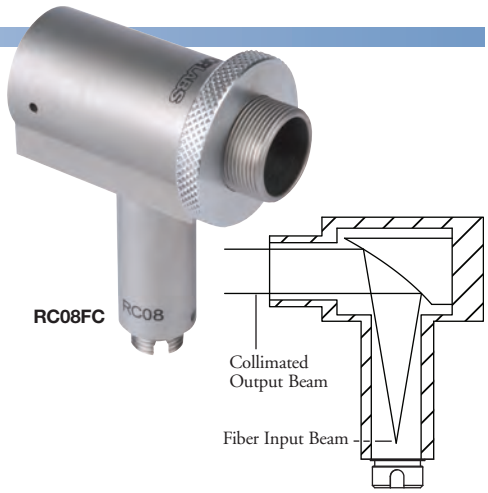
RC08FC Off Axis Parabolic Collimator

- Minimize Chromatic Aberrations
- Off-Axis Input Angle: 90°
- Beam Size: Ø8.5 mm
- SM05 External Thread For Easy Mounting
- FC/PC Connector
- Each Collimation Package is Factory Aligned
- Simplifies Free-Space Laser to Fiber Coupling



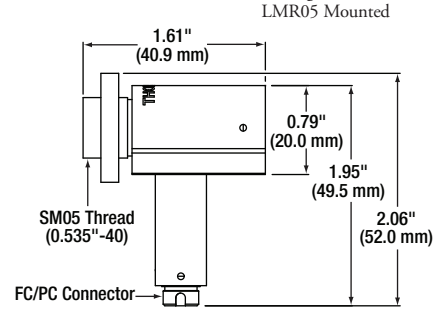
Specifications

- **Clear Aperture for Collimated Beam:** Ø11 mm
- **Beam Size:** Ø8.5 mm
- **Numerical Aperture:** 0.16
- **Effective Focal Length (EFL):** 33 mm ±1%
- **Parent Focal Length (PFL):** 16.5 mm
- **Scratch-Dig:** 40 - 20
- **Reflection (Transmission Through System):** >96% from 400 - 700 nm and 97.5% from 700 - 2000 nm

RC08FC with Cage Components
See Pages 148 - 154 for 16 mm Cage System

RC08FC Post Mounted
See Page 238 for LMR05 Mounted

The RC08FC off-axis collimator creates a 90° angle between the incident and reflected light. The mirror surface is coated with protected silver, which has good reflection properties over a broad wavelength range, making it very useful for systems with many different wavelengths. The RC08FC collimator is pre-aligned to collimate a laser beam propagating from the tip of an FC/PC connectorized fiber with diffraction-limited performance over a large wavelength interval from less than 400 nm to more than 2000 nm. The off-axis parabolic mirror is aligned such that the distance between it and the fiber tip is equal to the focal length of the mirror. The off-axis parabolic collimator is suitable for collimating the output from a single mode fiber. In addition, it can be used to collect light from broadband sources and couple it into a larger core multimode fiber.



Please refer to our website for complete models and drawings.

ITEM#	$	£	€	RMB	DESCRIPTION
RC08FC	$ 525.00	£ 364.00	€ 466,10	¥ 4,433.20	Ø8.5 mm Beam, Reflective Collimator, FC/PC Connector