

RGB Fiber Collimators



Features

- Designed for red, green and blue
- Air spaced design
- 2 mm beam
- Low wavefront error

Applications

- Projection display
- Flow cytometry
- Fluorescence excitation

This fiber collimator is designed to transmit red, green and blue wavelengths at the same time without distortions.

Standard commercially available RGB collimators usually have a cemented doublet which can have severe spherical aberrations and coma that can cause beam to be much larger than it actually is or look warped. Our air spaced designed fiber collimator corrects not only for color but also for spherical aberrations yielding a diffraction limited output with low wavefront error.

Output beam size is 2mm diameter. Collimator has an FC or FC/APC receptacle. Housing is made of stainless steel.

RGB Fiber Collimator

Specifications

Wavelength range:	450-700 nm
Aperture size:	5.3 mm
Beam size:	2 mm
Beam divergence:	< 1.8 mrad all colors
Housing:	Stainless steel
Receptacle:	FC or FC/APC

Options for pigtailed RGB Fiber Collimator available.

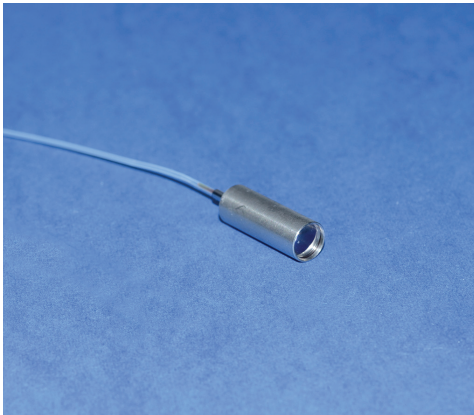


Ring adapters

Ordering Information

Model #	Description
FCX5-RGB-FC	FC receptacle style usable from 450nm to 640nm
FCX5-RGB-APC	FC/APC receptacle style usable from 450nm to 640nm
Accessories	
FC5R-1.0	FC5 ring adapter to mount collimator to 1 inch optical mounts.

Other wavelength regions available on a custom basis.



Pigtailed RGB Fiber Collimator

Specification subject to change without notice.