

RGB Fiber Collimator



Features

- Designed for 450nm, 520nm, 640nm
- 2 mm beam
- Low wavefront error

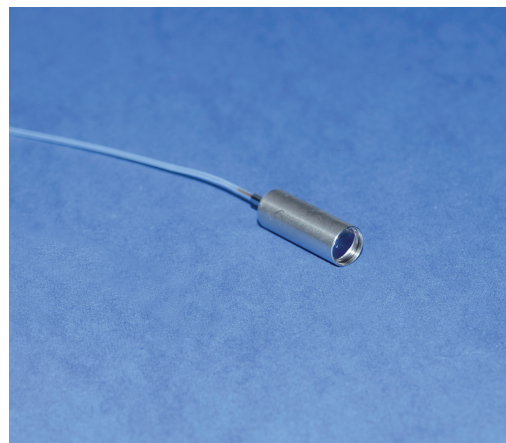
Applications

- Projection display
- Flow cytometry
- Fluorescence excitation
- Microscopy

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 an achromat which can have severe spherical aberrations and coma that can blur or cause beam distortions. Our specially designed fiber collimator corrects not only for color but also for spherical aberrations. This is very important when focusing so that you don't get a blurry spot or color spots that are highly separated.

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



Pigtailed RGB Fiber Collimator

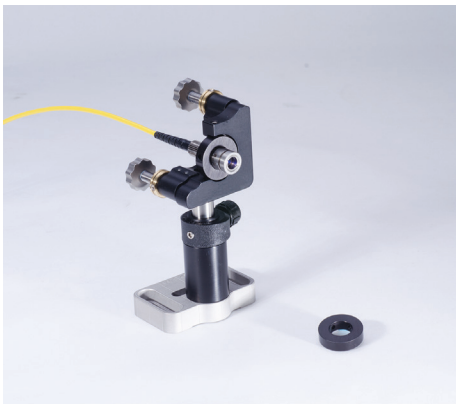
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Specifications

Wavelength range:	450-700 nm
Design wavelengths:	450nm, 520nm, 640nm
Aperture size:	5.3 mm
Beam size:	2 mm
Beam divergence:	< 1.8 mrad all colors
Housing:	Stainless steel
Receptacle:	FC or FC/APC
Pigtailed versions	
Fiber type:	Singlemode for red, green and blue wavelengths
Fiber length:	1 meter
Fiber terminations:	FC/UPC or FC/APC

Ordering Information

Model #	Description
Receptacle style	
FCX5-RGB-FC	FC receptacle style Fiber Collimator for 450nm, 520nm, 640nm
FCX5-RGB-APC	FC/APC receptacle style Fiber Collimator for 450nm, 520nm, 640nm
Pigtailed style	
FCX5-RGB-SFC	Fiber Collimator with singlemode fiber for 450nm, 520nm, 640nm, FC/UPC connection
FCX5-RGB-SAPC	Fiber Collimator with singlemode fiber for 450nm, 520nm, 640nm, FC/APC connection
FC5R-1.0	FC5 ring adapter to mount collimator to 1 inch optical mounts.



Ring adapters

Specification subject to change without notice.