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10mm Aperture VIS/NIR Fiber Optic Collimator, FC



Fiber Optic Collimator, FC (FC adapter inserted)



Stock #88-190 **1 In Stock**

⊖ 1 ⊕ A\$403²⁰

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-10 | A\$403.20 each |
| Qty 11-24 | A\$356.80 each |
| Qty 25-49 | A\$334.40 each |
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Product Downloads

General

Fiber Collimator **Type:**
0.22 **Compatible Fiber NA:**
Anodized Aluminum **Housing Material:**

Note:
Compatible with #88-182, #88-183, #88-184, #88-185, #88-186, & #88-187 Refocusing Assemblies

Physical & Mechanical Properties

15.88 **Diameter (mm):**

10.0 **Aperture Size:**

34.29 **Length (mm):**

Optical Properties

Substrate:
N-BK7

350 - 2200 **Wavelength Range (nm):**

compatible 400 to 800 **Fiber Diameter (μm):**

18.00 **Focal Length FL (mm):**

Hardware & Interface Connectivity

FC **Connector:**

Environmental & Durability Factors

-40 to 100 **Operating Temperature ($^{\circ}\text{C}$):**

Regulatory Compliance

RoHS 2015:
Compliant

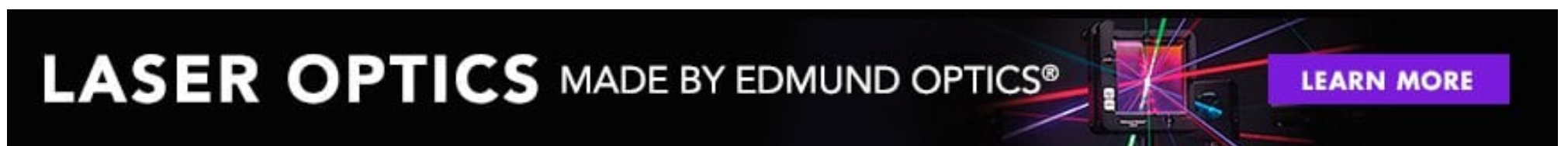
Reach 209:
Compliant

Certificate of Conformance:
[View](#)

Product Details

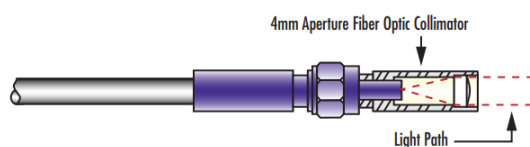
- Can Be Coupled to Standard 0.22 NA Fiber Optic Cables
- Options Available for UV-VIS or VIS-NIR
- Multiple Focal Length or Aperture Options

Focusable Collimators consist of two separate components: a fiber optic collimator and a fiber optic refocusing assembly. The fiber optic collimator utilizes a PCX lens positioned at the focal length from the optical fiber tip. These collimators are available with FC or SMA threads, and easily couple to standard 0.22 NA fiber optic cables. Focusable Collimators expand the beam and decrease the divergence by the ratio of the fiber core diameter to the collimator aperture. Fiber optic refocusing assemblies mount directly to the fiber optic collimator and allow for optimal focus at a given distance.



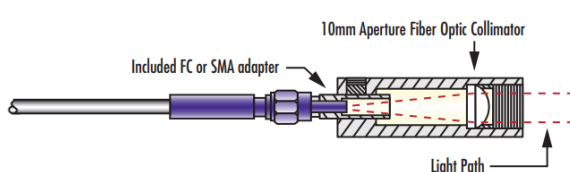
Technical Information

Fiber with 4mm Aperture Fiber Optic Collimator



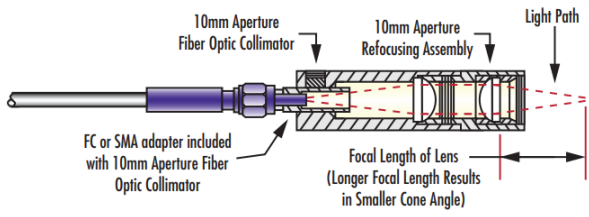
The 4mm Aperture Fiber Optic Collimator threads directly onto FC or SMA fiber.

Fiber with 10mm Aperture Fiber Optic Collimator



Each 10mm Aperture Fiber Optic Collimator includes an FC or SMA adapter that is inserted into the collimator and locked by a set screw.

Fiber with 10mm Aperture Fiber Optic Collimator and Refocusing Assembly



A 10mm Aperture Refocusing Assembly can then be directly threaded onto the 10mm Aperture Fiber Optic Collimator.

| Collimator Description | Stock Number | Compatible Refocusing Assembly |
|--|--------------|--|
| 4mm Aperture UV/MS Fiber Optic Collimator, FC | #88-189 | No Compatible Refocusing Assemblies |
| 4mm Aperture UV/MS Fiber Optic Collimator, SMA | #88-173 | No Compatible Refocusing Assemblies |
| 4mm Aperture MS/NIR Fiber Optic Collimator, FC | #88-188 | No Compatible Refocusing Assemblies |
| 4mm Aperture MS/NIR Fiber Optic Collimator, SMA | #88-172 | No Compatible Refocusing Assemblies |
| 10mm Aperture UV/MS Fiber Optic Collimator, FC | #88-191 | #88-182, #88-183, #88-184, #88-185, #88-186, & #88-187 |
| 10mm Aperture UV/MS Fiber Optic Collimator, SMA | #88-181 | #88-182, #88-183, #88-184, #88-185, #88-186, & #88-187 |
| 10mm Aperture MS/NIR Fiber Optic Collimator, FC | #88-190 | #88-182, #88-183, #88-184, #88-185, #88-186, & #88-187 |
| 10mm Aperture MS/NIR Fiber Optic Collimator, SMA | #88-180 | #88-182, #88-183, #88-184, #88-185, #88-186, & #88-187 |