

10mm Aperture, 18mm FL UV/VIS Fiber Refocusing Assembly



Fiber Refocusing Assembly

Stock **#88-185** [CONTACT US](#)

⊖ 1 ⊕ £284.⁰⁰

ADD TO CART

Volume Pricing

| | |
|------------|-------------------------------|
| Qty 1-10 | £284.00 each |
| Qty 11-24 | £250.40 each |
| Qty 25-49 | £236.00 each |
| Need More? | Request Quote |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Refocusing Assembly

Type:

Anodized Aluminum

Housing Material:

Note:
Compatible with [#88-180](#), [#88-181](#), [#88-190](#), & [#88-191](#) Fiber Collimators

Physical & Mechanical Properties

| | |
|-------|-----------------------|
| 15.88 | Diameter (mm): |
| 10.0 | Aperture Size: |
| 16.38 | Length (mm): |

Optical Properties

| | |
|--|--|
| Fused Silica (Coming 7980) | Substrate: <input type="checkbox"/> |
| 190 - 1250 | Wavelength Range (nm): |
| 18.00 | Focal Length FL (mm): |

Environmental & Durability Factors

| | |
|------------|------------------------------------|
| -40 to 100 | Operating Temperature (°C): |
|------------|------------------------------------|

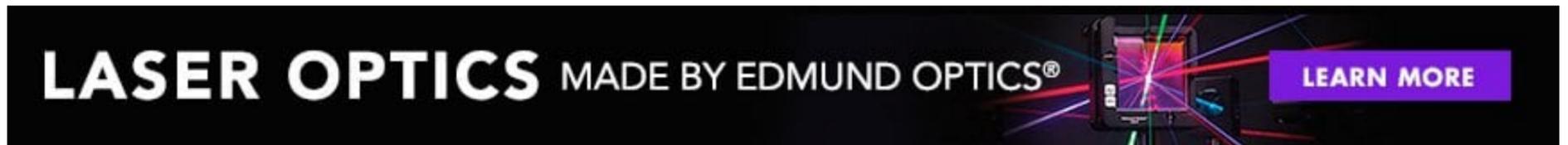
Regulatory Compliance

| | |
|---------------------------|------------------------------------|
| Compliant | RoHS 2015: |
| Compliant | Reach 209: |
| View | Certificate of Conformance: |

Product Details

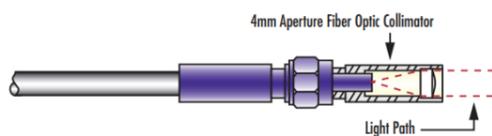
- Can Be Coupled to Standard 0.22 NA Fiber Optic Cables
- Options Available for UV-VIS or VIS-NIR
- Multiple Focal Length or Aperture Options

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.



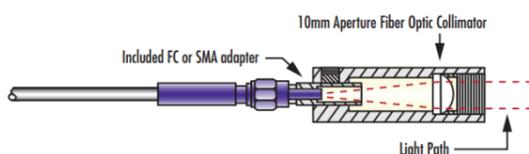
Technical Information

Fiber with 4mm Aperture Fiber Optic Collimator



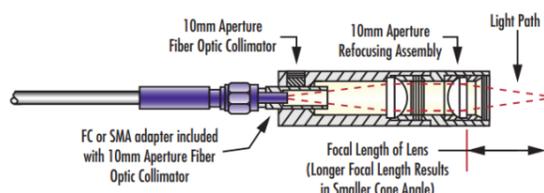
The 4mm Aperture Fiber Optic Collimator threads directly onto FC or SMA fiber.

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 VIS/NIR Fiber Optic Collimator, FC | #88-188 | No Compatible Refocusing Assemblies |
| 4mm Aperture VIS/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 VIS/NIR Fiber Optic Collimator, FC | #88-190 | #88-182 , #88-183 , #88-184 , #88-185 , #88-186 , & #88-187 |
| 10mm Aperture VIS/NIR Fiber Optic Collimator, SMA | #88-180 | #88-182 , #88-183 , #88-184 , #88-185 , #88-186 , & #88-187 |