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# LightPath 354260 | 543nm Alignment, 0.16 NA Fiber Collimator w/ FC/PC Connector

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543nm Alignment, 0.16 NA Fiber Collimator w/ FC Connector, #47-224

Stock **#47-224** **8 In Stock**

- 1 + **€232**.00

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| Volume Pricing | |
|---|---|
| Qty 1-10 | **€232,00** each |
| Qty 11-25 | **€205,00** each |
| Qty 26-49 | **€193,00** each |
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Prices shown are exclusive of VAT/local taxes

Product Downloads

## General

| | |
|---|---|
| **Lightpath Lens Code:** | 354260 |
| **Type:** | Fiber Collimator |
| **Lens Included:** | #37-098 |

## Physical & Mechanical Properties

**Clear Aperture CA (mm):**
5.00

**Bevel:**
Protective as needed

**Construction:**
304L Stainless Steel Housing

**Housing Diameter (mm):**
11.00

**Housing Length (mm):**
20.2

## Optical Properties

**Effective Focal Length EFL (mm):**
15.29 @ 780nm

**Numerical Aperture NA:**
0.16

**Substrate:**
D-ZK3

**Coating:**
BBAR (350-700nm)

**Coating Specification:**
$R_{avg}$ ≤0.5% @ 350 - 700nm

**Surface Quality:**
40-20

**f/#:**
3.13

**Abbe Number ($v_d$):**
61.16

**Index of Refraction ($n_d$):**
1.586

**Wavelength Range (nm):**
350 - 700

**Conjugate Distance:**
Infinite

**Focal Length Specification Wavelength (nm):**
780.00

**Alignment Wavelength (nm):**
543

**Transmitted Wavefront Error (λ, RMS):**
< 0.090

## Hardware & Interface Connectivity

**Connector:**
FC/PC

## Threading & Mounting

**Mount:**
M11 x 0.5

## Material Properties

**Coefficient of Thermal Expansion CTE ($10^{-6}$/°C):**
7.6

## Regulatory Compliance

**RoHS 2015:**
Compliant

**Certificate of Conformance:**
View

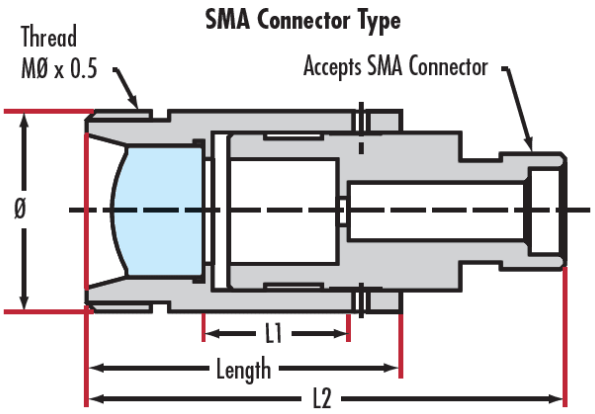
**Reach 247:**
Compliant

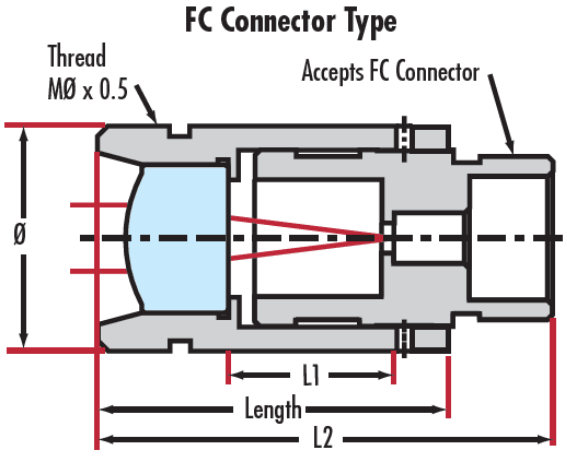
# Product Details

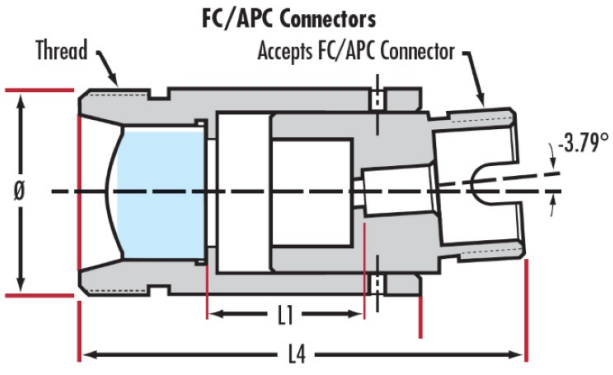
- Easy to Integrate
- Models for FC/PC, FC/APC, and SMA Connections Available
- Four Wavelength Ranges Covering 350-1600nm

LightPath® Fiber Optic Collimators are designed to collimate light exiting a fiber to a desired beam diameter or spot size or to focus light into a fiber when used in reverse. The lenses are diffraction limited, so they can achieve spot sizes down to a few microns. Lenses also feature an antireflection coating for low back reflection. LightPath® Fiber Optic Collimators are designed so that they can be used in pairs to couple the input and output light of optical devices. Optimum performance for long-term use is ensured by the factory set and tested lens alignment. Typical applications can include use with fiber coupled lasers and pigtailed receptacles, as well as communications and data transfer.

# Technical Information

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