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LightPath 354240 | 1064nm Alignment, 0.50 NA Fiber Collimator w/ FC/PC Connector

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Fiber Optic Collimator and Focuser Assemblies

Stock **#64-781** **15 In Stock**

- 1 + **C$371**.00

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Volume Pricing	
Qty 1-10	**C$371.00** each
Qty 11-25	**C$327.60** each
Qty 26-49	**C$309.40** each
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Product Downloads

General

Lightpath Lens Code:
354240

Type:
Fiber Collimator

Lens Included:
#37-104

Physical & Mechanical Properties

Clear Aperture CA (mm):
8.00

Bevel:
Protective as needed

Construction:
304L Stainless Steel Housing

Housing Diameter (mm):
12.00

Housing Length (mm):
12.7

Optical Properties

Effective Focal Length EFL (mm):
8.00 @ 780nm

Numerical Aperture NA:
0.50

Substrate:
ECO-550

Coating:
BBAR (1050-1600nm)

Coating Specification:
R_{abs} <1.0% @ 1050 - 1600nm

Surface Quality:
40-20

f/#:
1.00

Abbe Number (v_d):
50.02

Index of Refraction (n_d):
1.606

Wavelength Range (nm):
1050 - 1600

Conjugate Distance:
Infinite

Focal Length Specification Wavelength (nm):
780.00

Alignment Wavelength (nm):
1064

Transmitted Wavefront Error (λ, RMS):
< 0.080

Hardware & Interface Connectivity

Connector:
FC/PC

Threading & Mounting

Mount:
M12 x 0.5

Material Properties

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
11.1

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

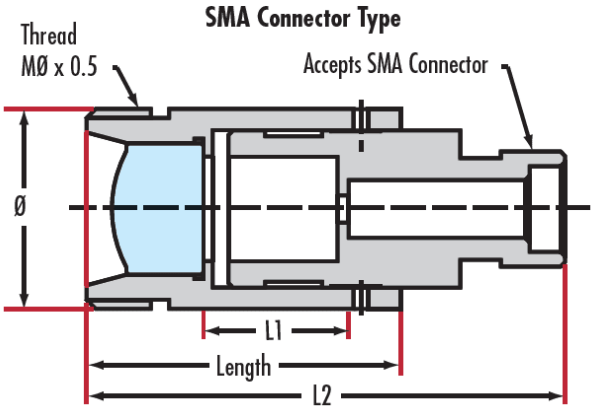
Product Details

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

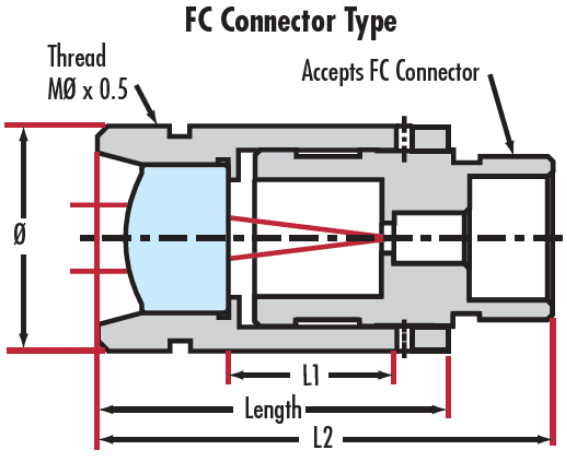
LightPath® Fiber Optic Collimators are designed to collimate light exiting a fiber to a desired beam diameter or spot size or to focus light into a fiber when used in reverse. The lenses are diffraction limited, so they can achieve spot sizes down to a few microns. Lenses also feature an antireflection 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

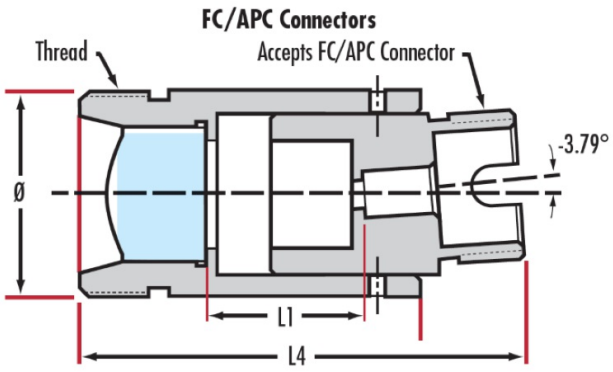
SMA Connector Type



FC Connector Type



FC/APC Connectors



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