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LightPath 355230 | 1310nm Alignment, 0.55 NA Fiber Collimator w/ FC/PC Connector

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Fiber Optic Collimator and Focuser Assemblies



Stock #64-791 **CLEARANCE** 4 In Stock

- 1 + A\$188⁷²

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Qty 1+	A\$188.72 each
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General

355230 **Lightpath Lens Code:**

Fiber Collimator **Type:**

#87-155 **Lens Included:**

Physical & Mechanical Properties

4.95	Clear Aperture CA (mm):
Protective as needed	Bevel:
304L Stainless Steel Housing	Construction:
11.00	Housing Diameter (mm):
9.6	Housing Length (mm):

Optical Properties

4.51 @ 780nm	Effective Focal Length EFL (mm):
0.55	Numerical Aperture NA:
D-ZLaF52LA	Substrate: □
BBAR (1050-1600nm)	Coating:
R _{abs} <1.0% @ 1050 - 1600nm	Coating Specification:
40-20	Surface Quality:
0.91	f#:
40.99	Abbe Number (v_d):
1.806	Index of Refraction (n_d):
1050 - 1600	Wavelength Range (nm):
Infinite	Conjugate Distance:
780.00	Focal Length Specification Wavelength (nm):
1310	Alignment Wavelength (nm):
<0.087	Transmitted Wavefront Error (λ, RMS):

Hardware & Interface Connectivity

FC/PC	Connector:
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Threading & Mounting

M11 x 0.5	Mount:
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Material Properties

6.9	Coefficient of Thermal Expansion CTE (10⁻⁶/°C):
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 233:

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

