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# LightPath 355230 | 543nm Alignment, 0.55 NA Fiber Collimator w/ FC/APC Connector

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Fiber Optic Collimator and Focuser Assemblies



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**General**

355230 **Lightpath Lens Code:**

Fiber Collimator **Type:**

#87-153 **Lens Included:**

## Physical & Mechanical Properties

5.07 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 (350-700nm) Coating:

$R_{avg} < 0.5\%$  @ 350 - 700nm Coating Specification:

40-20 Surface Quality:

0.91 f#:

40.99 Abbe Number ( $v_d$ ):

1.806 Index of Refraction ( $n_d$ ):

350 - 700 Wavelength Range (nm):

Infinite Conjugate Distance:

780.00 Focal Length Specification Wavelength (nm):

543 Alignment Wavelength (nm):

< 0.087 Transmitted Wavefront Error ( $\lambda$ , RMS):

## Hardware & Interface Connectivity

FC/APC Connector:

## Threading & Mounting

M11 x 0.5 Mount:

## Material Properties

6.9 Coefficient of Thermal Expansion CTE ( $10^{-6}/^{\circ}\text{C}$ ):

## Regulatory Compliance

[Compliant](#) RoHS 2015:

[View](#) Certificate of Conformance:

[Compliant](#) Reach 247:

## 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

