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LightPath 354220 | 543nm Alignment, 0.25 NA Fiber Collimator w/ SMA Connector

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Fiber Optic Collimator and Focuser Assemblies



Stock #47-221 **15 In Stock**

⊖ 1 ⊕ ₹16,830

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General

354220 **Lightpath Lens Code:**
Fiber Collimator **Type:**

Lens Included:

#87-117

Physical & Mechanical Properties

5.50 Clear Aperture CA (mm):

Protective as needed

Bevel:

Construction:

304L Stainless Steel Housing

11.00 Housing Diameter (mm):

17.1

Housing Length (mm):

11.00

Optical Properties

11.00 @ 633nm Effective Focal Length EFL (mm):

0.25

Numerical Aperture NA:

D-ZK3

Substrate: □

BBAR (350-700nm)

Coating:

Coating Specification:

$R_{avg} \leq 0.5\%$ @ 350 - 700nm

Surface Quality:

40-20

f#:

2.00

Wavelength Range (nm):

350 - 700

Conjugate Distance:

Infinite

Alignment Wavelength (nm):

543

Transmitted Wavefront Error (λ , RMS):

< 0.040

Hardware & Interface Connectivity

Connector:

SMA

Threading & Mounting

Mount:

M11 x 0.5

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

