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LightPath 354240 | 633nm Alignment, 0.50 NA Fiber Collimator w/ FC/APC Connector

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Fiber Optic Collimator and Focuser Assemblies



Stock #16-710 **9 In Stock**

⊖ 1 ⊕ **S\$488⁰⁰**

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Volume Pricing	
Qty 1-5	S\$488.60 each
Qty 6+	S\$358.40 each
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General

354240 **Lightpath Lens Code:**

Fiber Collimator **Type:**

Physical & Mechanical Properties

8.00	Clear Aperture CA (mm):
Protective as needed	Bevel:
304L Stainless Steel Housing	Construction:
12.00	Housing Diameter (mm):
17.99	Housing Length (mm):

Optical Properties

8.00 @ 780nm	Effective Focal Length EFL (mm):
0.50	Numerical Aperture NA:
D-ZK3	Substrate: <input type="checkbox"/>
BBAR (600-1050nm)	Coating:
$R_{\text{abs}} < 1.0\%$ @ 600 - 1050nm	Coating Specification:
40-20	Surface Quality:
1.00	f#:
61.16	Abbe Number (v_d):
1.586	Index of Refraction (n_d):
600 - 1050	Wavelength Range (nm):
Infinite	Conjugate Distance:
780	Focal Length Specification Wavelength (nm):
633	Alignment Wavelength (nm):

Hardware & Interface Connectivity

FC/APC	Connector:
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Threading & Mounting

M12 x 0.5	Mount:
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Material Properties

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

