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LightPath 354240 | 543nm Alignment, 0.50 NA Fiber Collimator w/ FC/PC Connector

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Fiber Optic Collimator and Focuser Assemblies



Stock **#64-777** **20+ In Stock**

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1

+

S\$371^{.00}

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

General	
354240	Lightpath Lens Code:
Fiber Collimator	Type:

Lens Included:	
#37-102	
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 (350-700nm)	
Coating Specification:	
R _{avg} ≤0.5% @ 350 - 700nm	
Surface Quality:	
40-20	
f/#:	
1.00	
Abbe Number (v _d):	
50.02	
Index of Refraction (n _d):	
1.606	
Wavelength Range (nm):	
350 - 700	
Conjugate Distance:	
Infinite	
Focal Length Specification Wavelength (nm):	
780.00	
Alignment Wavelength (nm):	
543	
Transmitted Wavefront Error (λ, RMS):	
< 0.080	
Hardware & Interface Connectivity	
Connector:	
FC/PC	
Threading & Mounting	
Mount:	
M12 x0.5	
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

