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LightPath 354240 | 1550nm Alignment, 0.50 NA Fiber Collimator w/ FC/PC Connector

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Fiber Optic Collimator and Focuser Assemblies



Stock **#83-727** 10 In Stock

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1

+

C\$371^{.00}

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Volume Pricing	
Qty 1-10	C\$371.00 each
Qty 11-25	C\$329.00 each
Qty 26-49	C\$309.40 each
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Product Downloads

General	
354240	Lightpath Lens Code:
Fiber Collimator	Type:

Lens Included:	
#37-104	
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 @ 1150nm
Numerical Aperture NA:	0.50
Substrate: □	ECO-550
Coating:	BBAR (1050-1600nm)
Coating Specification:	R _{abs} <1.0% @ 1050 - 1600nm
Surface Quality:	40-20
f/#:	1.00
Wavelength Range (nm):	1050 - 1600
Conjugate Distance:	Infinite
Alignment Wavelength (nm):	1550
Transmitted Wavefront Error (λ, RMS):	< 0.080
Hardware & Interface Connectivity	
Connector:	FC/PC
Threading & Mounting	
Mount:	M12 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

