

Large-area fiber optic collimator



Overview

CLA, CLB, and CLD series collimators are high-performance fiber optic devices employing high quality aspheric lenses to achieve low wave-front distortion, low divergence, and diffraction limited beam quality. 1 The C80 collimators have external SM2 threading on the free-space end for attaching Ø2" lens tubes, while the C40 collimators have SM1 threading for attaching Ø1" lens tubes. The lenses are diffraction limited, so they can achieve spot sizes down to a few microns. Lenses also feature an. □□ For purchasing, use the RP Photonics Buyer's Guide for fiber collimators. It provides an expert-curated supplier directory, buyer-focused technical background information, and structured selection criteria to support professional procurement decisions. What is a Fiber Collimator?

It is often. Agiltron's 1kW (CW) Fiber Collimators incorporates advanced technologies of direct fusion to a large beam expanding end cap ensuring safe power density, and a mode stripper that prevents burning the buffer/jacket by removing unwanted back-reflection radiation. These technologies significantly. The fiber collimator series 60FC-L are designed for collimating radiation exiting from an optical fiber cable (fiber port) or used in reverse as a fiber coupler for coupling a beam into an optical fiber cable. Our unique multi element design ensures you get a clean Gaussian beams with no diffraction effects at any distance.

Article Content

Fiber Optic Collimators: Types, Applications, and How to Choose

This article explains what fiber optic collimators are, the different types available, typical applications, design parameters to watch, and guidelines for choosing the right collimator for your ...

High Power Fiber Collimator Long Distance to

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Large Beam Fiber Collimators - Precision Optics

Discover large beam fiber collimators at Sherlan Optics. Get reliable performance, high precision, and quality optics designed for advanced applications.

Fiber Collimators - lens, collimated beam, focal length, beam size ...

Fiber-optic collimators are available for different collimated beam sizes, which simply means different values of the focal length. Naturally, devices for larger collimated beams need to be both longer and ...

LightPath® Fiber Optic Collimators

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 ...

Large Fiber Collimators

We manufacture High Performance Fiber Collimators that are designed to give highly collimated beams with high transmission and low transmitted wavefront error. Our unique multi element design ensures ...

Large Beam Fiber Collimators

Operating wavelengths cover from 350nm to 2000nm and even extend into the Mid-IR in custom order. These collimators can work with semiconductor lasers, YAG, DPSS, Ti-Sapphire, HeNe, and Fiber ...

Fiber Collimators 60FC-L for collimating large beam diameters

The fiber collimators series 60FC-L are designed for collimating radiation exiting optical fiber cables with high pointing stability and large beam diameters. They can also be used in reverse-mode as fiber ...

FIBER COMPONENTS: Large-Beam Fiber Collimators

CLE and CLF series extra-large beam collimators are based on achromatic doublet lenses for the unusually large sizes. They feature 8 and 16 mm beam sizes for single mode fiber and are suitable ...

Large-Beam Achromatic Fiber Collimators, Adjustable Focus

Thorlabs" Achromatic Fiber Collimators with adjustable focus are designed with an effective focal length (EFL) to the fiber of 20 mm, 40 mm, or 80 mm. Each collimation package is available with an AR ...

Contact Us

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