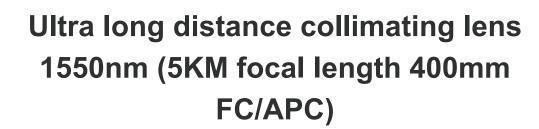
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• Product Description

IDEAL The Power of Light PHOTONICS

The optical fiber output is collimated and reshaped into a large spot, suitable for high-power, long-distance transmission, and pulsed output lasers. Within the operating range, the light exhibits excellent collimation, with a uniform energy distribution and sharp, clear edges. The design adopts a multi-lens series with air gaps, compatible with single-mode, multi-mode, and large-core optical fibers, enabling functions such as remote sensing, illumination, and interference.

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NIR-CLM-W1550-150-5-62.5/125-FA

• Product features

Standard fiber optic input with FC or SMA connectors 、 Collimated space

beam output. Suitable for wavelengths in the range of 405 nm to 1.55 μ m.

Collimation distance suitable for $\geq 2 \text{ km}$. Beam energy concentration .

Multi-lens design with dual-sided antireflection coating on lenses to improve transmission efficiency

Parameters

525nm Ultra-long Distance Collimating Lens						
Working Wavelength	Output Spot Diameter	Beam Divergence Angle	Effective Focal Length mm	Transmission Distance	Fiber Type	Connector
525±20nm	80	0.20mrad	250	2km		FC/APC
	100	0.15mrad	320	3km	62.5/125	FC/PC
	150	0.10mrad	400	5km		SMA905
905nm Ultra-long Distance Collimating Lens						
Working Wavelength	Output Spot Diameter	Beam Divergence Angle	Effective Focal Length mm	Transmission Distance	Fiber Type	Connector
905±20nm	80	0.20mrad	250	2km		FC/APC
	100	0.15mrad	320	3km	62.5/125	FC/PC
	150	0.10mrad	400	5km		SMA905
1550nm Ultra-long Distance Collimating Lens						
Working Wavelength	Output Spot Diameter	Beam Divergence Angle	Effective Focal Length mm	Transmission Distance	Fiber Type	Connector
1550±20nm	80	0.20mrad	250	2km		FC/APC
	100	0.15mrad	320	3km	62.5/125	FC/PC
	150	0.10mrad	400	5km		SMA905

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