

# Super Long-Distance Collimating Lens 1550nm (2KM Focal Length 250mm FC/PC)



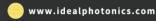
# Product Description

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

## Part Number

NIR-CLM-W1550-80-2-62.5/125-FP









## 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  $\mu m$  . Collimation distance suitable for  $\geq \! 2$  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	80 100	0.20mrad 0.15mrad	250 320	2km 3km	62.5/125	FC/APC 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	62.5/125	FC/APC
	100	0.15mrad	320	3km		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	62.5/125	FC/APC
	100	0.15mrad	320	3km		FC/PC
	150	0.10mrad	400	5km		SMA905





