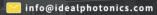


# Ultra long distance collimating lens 905nm (5KM focal length 320mm SMA905)



# 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-W905-150-5-62.5/125-SMA905

#### 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	80 100 150	0.20mrad 0.15mrad 0.10mrad	250 320 400	2km 3km 5km	62.5/125	FC/APC FC/PC 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	80 100 150	0.20mrad 0.15mrad 0.10mrad	250 320 400	2km 3km 5km	62.5/125	FC/APC FC/PC 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	80 100 150	0.20mrad 0.15mrad 0.10mrad	250 320 400	2km 3km 5km	62.5/125	FC/APC FC/PC SMA905

Customizable for connecting other core diameter fiber optic products





