

# Multimode Fiber Chromatic Aberration Collimator 905nm (Beam Waist Spot Diameter 4mm)



## ● Product Description

It is composed of a group of large numerical aperture lens systems, and can use multimode optical fibers with large numerical apertures. It can shape the light beam emitted from the multimode optical fiber, and can also couple the spatial flat beam into the multimode optical fiber, so that the light beam has a good collimation effect and spot shape within a long distance.

## ● Part Number

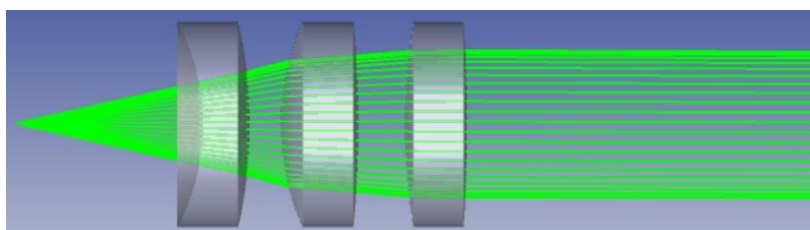
NIR-CLM-905-4-0.2-FP

## ● Product features

Large numerical aperture design、 Can be used for collimation or coupling 、  
Non-magnetic stainless steel housing

## Parameters

Dimensional Drawing



### 635nm Multimode Fiber Achromatic Collimator

| Central wavelength | Lens coating wavelength | Beam waist spot | Beam divergence angle | Effective focal length | Numerical aperture (lens) | Package diameter | Access fiber type | Connector    | Transmittance |
|--------------------|-------------------------|-----------------|-----------------------|------------------------|---------------------------|------------------|-------------------|--------------|---------------|
| 635nm              | 400~700nm               | 4mm             | 0.2 °                 | 10mm                   | 0.37                      | Φ 11mm           | 62.5/125          | FC/PC Sma905 | >90%          |
|                    |                         | 10mm            | 1.0 °                 | 25mm                   | 0.25                      | Φ 15mm           | 105/125           |              |               |

### 780nm Multimode Fiber Achromatic Collimator

| Central wavelength | Lens coating wavelength | Beam waist spot | Beam divergence angle | Effective focal length | Numerical aperture (lens) | Package diameter | Access fiber type | Connector    | Transmittance |
|--------------------|-------------------------|-----------------|-----------------------|------------------------|---------------------------|------------------|-------------------|--------------|---------------|
| 780nm              | 700~1100nm              | 4mm             | 0.2 °                 | 10mm                   | 0.37                      | Φ 11mm           | 62.5/125          | FC/PC Sma905 | >90%          |
|                    |                         | 10mm            | 1.0 °                 | 25mm                   | 0.25                      | Φ 15mm           | 105/125           |              |               |

### 850nm Multimode Fiber Achromatic Collimator

| Central wavelength | Lens coating wavelength | Beam waist spot | Beam divergence angle | Effective focal length | Numerical aperture (lens) | Package diameter | Access fiber type | Connector    | Transmittance |
|--------------------|-------------------------|-----------------|-----------------------|------------------------|---------------------------|------------------|-------------------|--------------|---------------|
| 850nm              | 700~1100nm              | 4mm             | 0.2 °                 | 10mm                   | 0.37                      | Φ 11mm           | 62.5/125          | FC/PC Sma905 | >90%          |
|                    |                         | 10mm            | 1.0 °                 | 25mm                   | 0.25                      | Φ 15mm           | 105/125           |              |               |

### 905nm Multimode Fiber Achromatic Collimator

| Central wavelength | Lens coating wavelength | Beam waist spot | Beam divergence angle | Effective focal length | Numerical aperture (lens) | Package diameter | Access fiber type | Connector    | Transmittance |
|--------------------|-------------------------|-----------------|-----------------------|------------------------|---------------------------|------------------|-------------------|--------------|---------------|
| 905nm              | 700~1100nm              | 4mm             | 0.2 °                 | 10mm                   | 0.37                      | Φ 11mm           | 62.5/125          | FC/PC Sma905 | >90%          |
|                    |                         | 10mm            | 1.0 °                 | 25mm                   | 0.25                      | Φ 15mm           | 105/125           |              |               |

### 1064nm Multimode Fiber Achromatic Collimator

| Central wavelength | Lens coating wavelength | Beam waist spot | Beam divergence angle | Effective focal length | Numerical aperture (lens) | Package diameter | Access fiber type | Connector    | Transmittance |
|--------------------|-------------------------|-----------------|-----------------------|------------------------|---------------------------|------------------|-------------------|--------------|---------------|
| 1064nm             | 1050~1700nm             | 4mm             | 0.2 °                 | 10mm                   | 0.37                      | Φ 11mm           | 62.5/125          | FC/PC Sma905 | >90%          |
|                    |                         | 10mm            | 1.0 °                 | 25mm                   | 0.25                      | Φ 15mm           | 105/125           |              |               |

### 1310nm Multimode Fiber Achromatic Collimator

| Central wavelength | Lens coating wavelength | Beam waist spot | Beam divergence angle | Effective focal length | Numerical aperture (lens) | Package diameter | Access fiber type | Connector    | Transmittance |
|--------------------|-------------------------|-----------------|-----------------------|------------------------|---------------------------|------------------|-------------------|--------------|---------------|
| 1310nm             | 1050~1700nm             | 4mm             | 0.2 °                 | 10mm                   | 0.37                      | Φ 11mm           | 62.5/125          | FC/PC Sma905 | >90%          |
|                    |                         | 10mm            | 1.0 °                 | 25mm                   | 0.25                      | Φ 15mm           | 105/125           |              |               |

### 1550nm Multimode Fiber Achromatic Collimator

| Central wavelength | Lens coating wavelength | Beam waist spot | Beam divergence angle | Effective focal length | Numerical aperture (lens) | Package diameter | Access fiber type | Connector    | Transmittance |
|--------------------|-------------------------|-----------------|-----------------------|------------------------|---------------------------|------------------|-------------------|--------------|---------------|
| 1550nm             | 1050~1700nm             | 4mm             | 0.2 °                 | 10mm                   | 0.37                      | Φ 11mm           | 62.5/125          | FC/PC Sma905 | >90%          |
|                    |                         | 10mm            | 1.0 °                 | 25mm                   | 0.25                      | Φ 15mm           | 105/125           |              |               |