

# Multimode Fiber Chromatic Aberration Collimator 1550nm (Beam Waist Spot Diameter 4mm)



## ● Product Description

It is composed of a group of large numerical aperture lens systems, suitable for multimode fibers with larger numerical apertures. This system can reshape the beam emitted from the multimode fiber, or couple a collimated beam into the multimode fiber, ensuring good collimation and beam shape over long distances.

## ● Product features

Achromatic processing, focal length is not sensitive to wavelength,  
 collimator has rich wavelengths、 Large numerical aperture design、 Can be  
 used for collimation or coupling、 Non-magnetic stainless steel housing

## ● Part Number

MP-CLM-1550-4-0.2-PFA-P

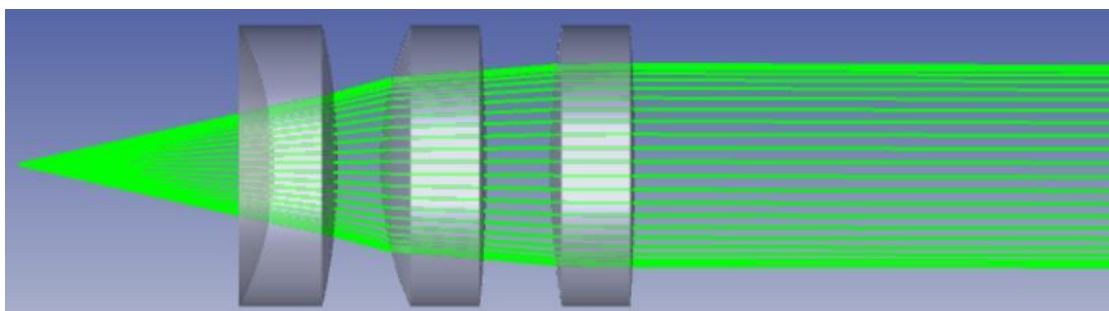
## ● Application area

Optical Network Testing | Industrial Sensing | Medical Endoscopes | Security  
 Monitoring | Fiber Optic Device Testing

## ● Core parameters

| Center Wavelength | Lens Coating Wavelength | Beam Waist Spot |
|-------------------|-------------------------|-----------------|
| 1550nm            | 1050-1700nm             | 4mm             |

## ● General Parameters



### 635nm Multimode Fiber Achromatic Collimator

| Central wavelength | Lens coating wavelength | Beam waist spot | Beam divergence angle | Effective focal length | Numerical aperture (lens) | Package diameter | Accessories fiber type | Connector | Transmittance |
|--------------------|-------------------------|-----------------|-----------------------|------------------------|---------------------------|------------------|------------------------|-----------|---------------|
| 635nm              | 400~700nm               | 4mm             | 0.2°                  | 10mm                   | 0.37                      | Φ11mm            | 62.5/125               | FC/PC     | >90%          |
|                    |                         | 10mm            | 1.0°                  | 25mm                   | 0.25                      | Φ15mm            | 105/125                | Sma905    |               |

### 780nm Multimode Fiber Achromatic Collimator

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

### 850nm Multimode Fiber Achromatic Collimator

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

### 905nm Multimode Fiber Achromatic Collimator

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

### 1064nm Multimode Fiber Achromatic Collimator

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

### 1310nm Multimode Fiber Achromatic Collimator

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

### 1550nm Multimode Fiber Achromatic Collimator

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