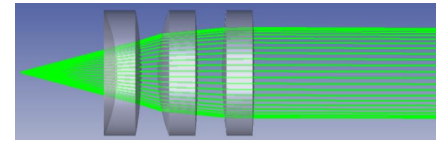




Multimode Fiber Achromatic Lenses Collimators is composed of a kits of high numerical aperture lenses, suitable for NA.22 multimode fibers. It can shape and collimate the light beam emitted from multimode fibers, as well as efficiently couple spatial light into multimode fibers. The optical design includes chromatic aberration and image aberration correction, making the collimator focal length insensitive to wavelength bandwidth. Each optical surface of the lens system is coated with anti-reflection film to minimize surface reflection.



Wavelength	Bandwidth	Waist Beam	Divergence Angle	EFL	NA (Lens)	Package Dia.	Fiber Type	connector	Transmittance
450nm	±30nm	5.4mm	7.5mrad	10.09mm	0.37	Φ11mm	62.5/125 NA0.27	FC/PC Sma905	>92%
		12.5mm	4.3mrad	25.0mm	0.25	Φ15mm			
		4.4mm	21.0mrad	10.09mm	0.37	Φ11mm	200/220 NA0.22		
		12.1mm	8.8mrad	25.0mm	0.25	Φ15mm			
		4.4mm	41.0mrad	10.09mm	0.37	Φ11mm	400/440 NA0.22		
		12.1mm	16.7mrad	25.0mm	0.25	Φ15mm			
485nm	±30nm	4.4mm	11.2mrad	10.1mm	0.37	Φ11mm	105/125 NA0.22		
		11.5mm	4.9mrad	25.0mm	0.25	Φ15mm	200/220 NA0.22		
		4.4mm	21.1mrad	10.1mm	0.37	Φ11mm			
		11.5mm	8.8mrad	25.0mm	0.25	Φ15mm			
		7.5mm	28.4mrad	10.1mm	0.37	Φ11mm	200/230 NA0.37		
525nm	400~700nm	5.4mm	8.0mrad	10.11mm	0.37	Φ11mm	62.5/125 NA0.27		
		12.5mm	3.9mrad	25.02mm	0.25	Φ15mm			
		4.4mm	11.2mrad	10.11mm	0.37	Φ11mm	105/125 NA0.22		
		11.4mm	4.8mrad	25.02mm	0.25	Φ15mm			
		4.4mm	21.2mrad	10.11mm	0.37	Φ11mm	200/220 NA0.22		
		11.3mm	8.6mrad	25.02mm	0.25	Φ15mm			
		4.4mm	41.2mrad	10.11mm	0.37	Φ11mm	400/440 NA0.22		
		11.3mm	16.5mrad	25.02mm	0.25	Φ15mm			



Multimode Fiber Achromatic Lenses Collimators

Wavelength	Bandwidth	Waist Beam	Divergence Angle	EFL	NA (Lens)	Package Dia.	Fiber Type	connector	Transmittance
635nm	400~700nm	5.4mm	8.4mrad	10.14mm	0.37	Φ11mm	62.5/125 NA0.27	FC/PC Sma905	>92%
		12.5mm	3.8mrad	25.07mm	0.25	Φ15mm			
		4.4mm	11.4mrad	10.14mm	0.37	Φ11mm	105/125 NA0.22		
		11.2mm	4.7mrad	25.07mm	0.25	Φ15mm			
		4.4mm	21.3mrad	10.14mm	0.37	Φ11mm	200/220 NA0.22		
		11.2mm	8.5mrad	25.07mm	0.25	Φ15mm			
		4.4mm	41.3mrad	10.14mm	0.37	Φ11mm	400/440 NA0.22		
11.2mm	16.4mrad	25.07mm	0.25	Φ15mm					
780nm	600~1050nm	5.4mm	8.3mrad	10.04mm	0.37	Φ11mm	62.5/125 NA0.27	FC/PC Sma905	>92%
		12.5mm	4.9mrad	24.97mm	0.25	Φ15mm			
		4.4mm	11.5mrad	10.04mm	0.37	Φ11mm	105/125 NA0.22		
		11.0mm	4.5mrad	24.97mm	0.25	Φ15mm			
		4.4mm	21.4mrad	10.04mm	0.37	Φ11mm	200/220 NA0.22		
		11.0mm	8.4mrad	24.97mm	0.25	Φ15mm			
850nm	600~1050nm	5.4mm	8.4mrad	10.05mm	0.37	Φ11mm	62.5/125 NA0.27	FC/PC Sma905	>92%
		12.5mm	4.8mrad	24.98mm	0.25	Φ15mm			
		4.4mm	11.5mrad	10.05mm	0.37	Φ11mm	105/125 NA0.22		
		10.9mm	4.5mrad	24.98mm	0.25	Φ15mm			
		4.4mm	21.5mrad	10.05mm	0.37	Φ11mm	200/220 NA0.22		
		10.9mm	8.4mrad	24.98mm	0.25	Φ15mm			
		4.4mm	41.5mrad	10.05mm	0.37	Φ11mm	400/440 NA0.22		
		10.9mm	16.5mrad	24.98mm	0.25	Φ15mm			
905nm	600~1050nm	4.4mm	11.5mrad	10.06mm	0.37	Φ11mm	105/125 NA0.22	FC/PC Sma905	>92%
		4.4mm	21.5mrad	10.06mm	0.37	Φ11mm	200/220 NA0.22		
1064nm	1050~1700nm	5.4mm	7.7mrad	10.03mm	0.37	Φ11mm	62.5/125 NA0.27	FC/PC Sma905	>92%
		12.5mm	4.9mrad	24.94mm	0.25	Φ15mm			
		5.4mm	11.3mrad	10.03mm	0.37	Φ11mm	105/125 NA0.22		
		10.7mm	5.0mrad	24.94mm	0.25	Φ15mm			
		4.4mm	21.3mrad	10.03mm	0.37	Φ11mm	200/220 NA0.22		
		10.7mm	9.2mrad	24.94mm	0.25	Φ15mm			
		4.4mm	41.3mrad	10.03mm	0.37	Φ11mm	400/440 NA0.22		
		10.7mm	17.8mrad	24.94mm	0.25	Φ15mm			



Multimode Fiber Achromatic Lenses Collimators

Wavelength	Bandwidth	Waist Beam	Divergence Angle	EFL	NA (Lens)	Package Dia.	Fiber Type	connector	Transmittance
1310nm	1050~1700nm	5.4mm	7.8mrad	10.07mm	0.37	Φ11mm	62.5/125 NA0.27		
		12.5mm	5.3mrad	25.01mm	0.25	Φ15mm			
		4.4mm	11.2mrad	10.07mm	0.37	Φ11mm	105/125 NA0.22		
		10.6mm	5.12mrad	25.01mm	0.25	Φ15mm			
		4.4mm	21.2mrad	10.07mm	0.37	Φ11mm	200/220 NA0.22		
		10.7mm	9.2mrad	25.01mm	0.25	Φ15mm			
		4.4mm	41.2mrad	10.07mm	0.37	Φ11mm	400/440 NA0.22		
		10.7mm	17.8mrad	25.01mm	0.25	Φ15mm			
1550nm	1050~1700nm	5.4mm	7.8mrad	10.11mm	0.37	Φ11mm	62.5/125 NA0.27		
		12.5mm	5.8mrad	25.1mm	0.25	Φ15mm			
		4.4mm	11.7mrad	10.11mm	0.37	Φ11mm	105/125 NA0.22		
		10.7mm	5.0mrad	25.1mm	0.25	Φ15mm			
		4.4mm	21.2mrad	10.11mm	0.37	Φ11mm	200/220 NA0.22		
		10.7mm	9.1mrad	25.1mm	0.25	Φ15mm			
		4.4mm	41.1mrad	10.11mm	0.37	Φ11mm	400/440 NA0.22		
		10.7mm	17.6mrad	25.1mm	0.25	Φ15mm			

* All testing data for beam size and divergence angle are obtained by connecting the standard jumpers from CNI.

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