

Long Work Distance Fiber Collimators

- series 2

Long work distance collimator can provide near parallel beam up to 200 meters. Aberration is corrected to emit the near diffraction limit light with separated lenses. But effective focal length is still affected by wavelength. So, this collimator performs best at the specified wavelength.



400~1650nm Long Work Distance SM Fiber Collimators

Wavelength (nm)	Bandwidth (nm)	Waist Beam (mm)	Div. (mrad)	EFL	NA (Lens)	Package Dia. (mm)	Transmittance	Fiber Type	Connector
405	±30	5.3	0.16	33.2	0.27	24	>92%	405HP	FC/PC FC/APC
450	±30	5.8	0.12	33.5	0.26	24		460HP	
525	±30	6.3	0.1	34.3	0.26	24		630HP	
635	±30	7	0.12	35.3	0.25	24		780HP	
780	±30	7.4	0.14	36	0.25	24		Hi1060	
850	±30	7.8	0.14	36.2	0.25	24		Smf-28e	
905	±30	7.5	0.15	36.3	0.25	24			
980	±30	8.5	0.16	36.4	0.25	24			
1064	±30	7.9	0.17	36.6	0.25	24			
1310	±30	6.6	0.24	36.7	0.24	24			
1550	±30	6.9	0.28	37.1	0.24	24			
1654	±10	6.9	0.3	37.2	0.24	24			

400~650nm Long Work Distance Multimode Fiber Collimators

Wavelength (nm)	Bandwidth (nm)	Waist Beam (mm)	Div. (mrad)	EFL	NA (Lens)	Package Dia. (mm)	Transmittance	Fiber Type	Connector
450	±30	18	2.3	33.5	0.27	24	>92%	62.5/125	FC/PC FC/APC
	±30	14.6	6.5	33.5	0.27	24		200/220	
	±30	14.6	12.5	33.5	0.27	24		400/440	
485	±30	15	4	34.1	0.27	24		105/125	
	±30	15	7	34.1	0.27	24		200/220	
	±30	15.4	12.8	34.1	0.27	24		400/440	
525	±30	18.2	2.2	34.3	0.27	24		62.5/125	
	±30	14.9	3.5	34.3	0.27	24		105/125	
	±30	14.9	6.2	34.3	0.27	24		200/220	
	±30	15.2	12.6	34.3	0.27	24		400/440	
635	±30	18.8	2.8	35.3	0.26	24		62.5/125	
	±30	15.2	4	35.3	0.26	24		105/125	
	±30	15.3	6.1	35.3	0.26	24	200/220		
	±30	15.4	11.8	35.3	0.26	24	400/440		

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780~1064nm Long Work Distance Multimode Fiber Collimators

Wavelength (nm)	Bandwidth (nm)	Waist Beam (mm)	Div. (mrad)	EFL	NA (Lens)	Package Dia. (mm)	Transmittance	Fiber Type	Connector
780	±30	19	2.7	36	0.26	24	>92%	62.5/125	FC/PC FC/APC
	±30	15.6	3.1	36	0.26	24		105/220	
	±30	15.5	5.9	36	0.26	24		200/220	
	±30	15.5	11.6	36	0.26	24		400/440	
850	±30	19.1	2.7	36.2	0.26	24		62.5/125	
	±30	15.6	3.2	36.2	0.26	24		105/220	
	±30	15.6	5.8	36.2	0.26	24		200/220	
	±30	15.6	11.4	36.2	0.26	24		400/440	
905	±30	15.7	3.3	36.3	0.26	24		105/220	
	±30	15.7	5.9	36.3	0.26	24		200/220	
1064	±30	19.4	2.4	36.6	0.26	24		62.5/125	
	±30	15.8	3.4	36.6	0.26	24		105/125	
	±30	16	6.4	36.6	0.26	24		200/220	
	±30	16	12.2	36.6	0.26	24		400/440	

1200~1700nm Long Work Distance Multimode Fiber Collimators

Wavelength (nm)	Bandwidth (nm)	Waist Beam (mm)	Div. (mrad)	EFL	NA (Lens)	Package Dia. (mm)	Transmittance	Fiber Type	Connector
1310	±30	19.4	2.3	36.7	0.25	24	>92%	62.5/125	FC/PC FC/APC
	±30	15.8	3.5	36.7	0.25	24		105/125	
	±30	15.8	6.1	36.7	0.25	24		200/220	
	±30	15.9	11.6	36.7	0.25	24		400/440	
1550	±30	19.4	2.1	37.1	0.25	24		62.5/125	
	±30	15.9	3.4	37.1	0.25	24		105/125	
	±30	15.9	6.1	37.1	0.25	24		200/220	
	±30	16	11.6	37.1	0.25	24		400/440	