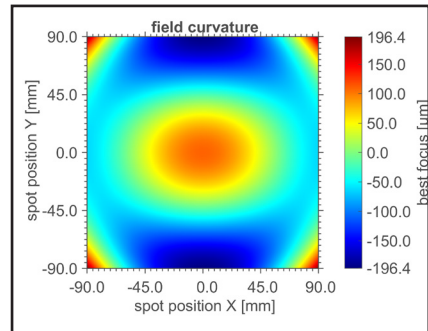
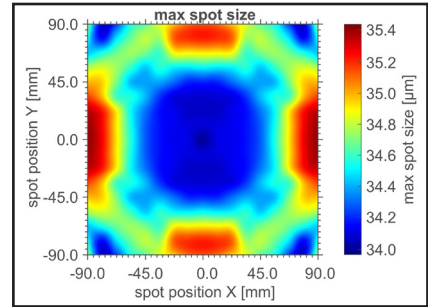


F-Theta JENar® APTAline® Lens Series

JENar® APTAline® 340-1030...1080-255 AL | Fused Silica Lens

Parameters	JENar® APTAline® 340-1030...1080-255 AL	
Input Diameter:	20 mm*	14 mm*
Focal length:	339,6 mm	
Wavelength:	1064 nm	
Scan field (X x Y):	180 mm x 180 mm	210 mm x 210 mm
Scan field Ø:	255 mm	297 mm
Diagonal scan angle:	± 21,7°	± 25,4°
X/Y mirror angle:	± 7,6°	± 8,9°
Back working distance:	422,4 mm	422,6 mm
Flange focus distance:	484,7 mm	484,9 mm
Input beam Ø 1/e²:	20 mm	14 mm
Focus size Ø 1/e²:	34,2 µm	48,6 µm
a1:	26,0 mm	17,0 mm
a2:	36,0 mm	35,5 mm
Telecentricity (only F-Theta with scanner):	11,6° 11,6°	13,6° 13,7°
Group delay dispersion (GDD):	834 fs²	
LIDT coating pulsed; CW:	2.5 J/cm² * (τ[ns]) ^ 0.30; 2.5 MW/cm²	
LIDT system pulsed; CW:		
Weight:	1.30 kg	
Order Number:	697568	

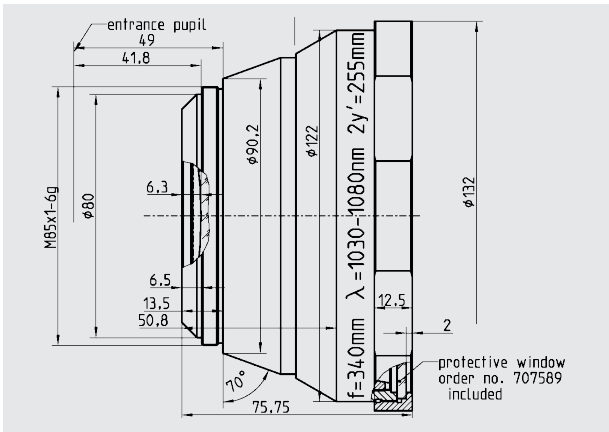
Spot properties



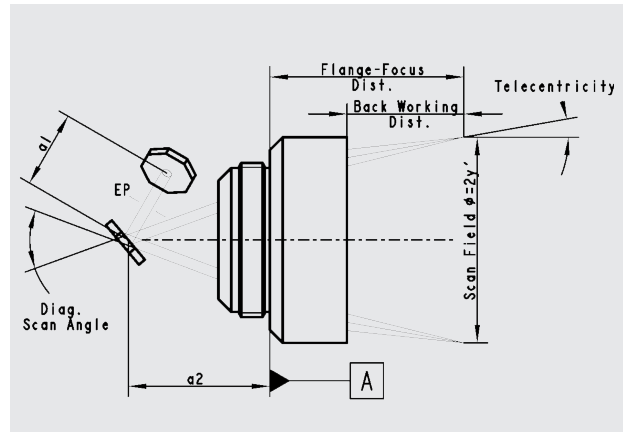
* Performance plots are show for main the application with an input beam diameter of 20 mm.

Specifications

JENar® APTAline® 340-1030... 1080-255 AL



Definition of geometrical parameters



JENar® registered in: EU, CN, JP, SG, US | F-Theta: registered in: EU, CN, KR, JP, SG, IN, HK, TW | APTAline® registered in: DE, EU, JP, KR, US, CN

The data given are nominal values for the specified application parameters. Jenoptik provides Zemax® BlackBox files for simulating application results for customized parameters (e.g. wavelength, scanner geometry, beam diameter, ...).
Back working distance, Flange focus distance, and focal length vary by ± 1.5 % due to manufacturing variances.

It is our policy to constantly improve the design and specifications. Accordingly, the details represented herein cannot be regarded as final and binding.