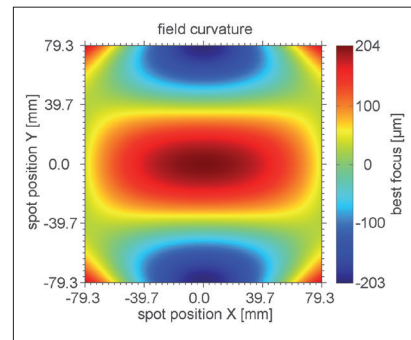
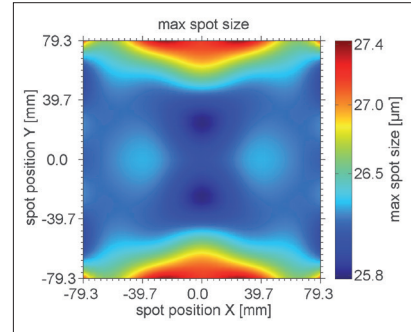


# F-Theta JENar™ Lens Series

## Larger Beam Diameters and Scan Fields – JENar™ 255-1030...1080-239

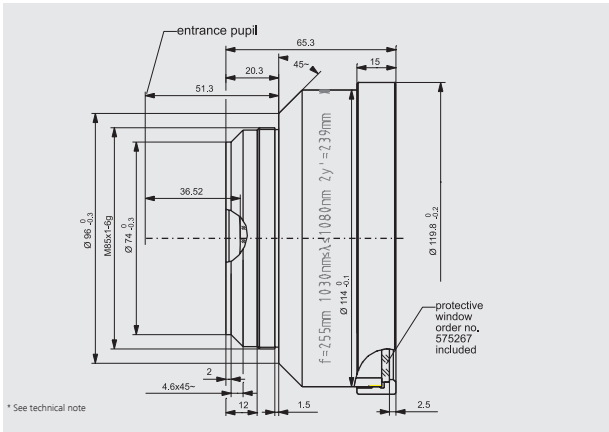
Parameters	JENar™ 255-1030...1080-239 Lens for larger beam diameters and scan fields
Focal length:	255 mm
Wavelength:	1030...1080 nm
Scan field ( X x Y ); Ø:	(169 mm x 169 mm); 239 mm
Diagonal scan angle:	53.2°
Back working distance:	291 mm
Flange focus distance:	336 mm
Input beam Ø 1/e²:	20 mm
Focus size Ø 1/e²:	24 µm
a1:	25 mm
a2:	39 mm
Telecentricity (only F-Theta   with scanner):	14.3°   15°
Group delay dispersion (GDD)*:	3670 fs²
LIDT coating pulsed; CW*:	5.0 J/cm² * (τ/[ns]) ^ 0.30; 5.0 MW/cm²
LIDT system pulsed; CW*:	2.5 J/cm² * (τ/[ns]) ^ 0.30; 2.5 MW/cm²
Weight:	1.4 kg
Order Number::	017700-017-26

### Spot properties

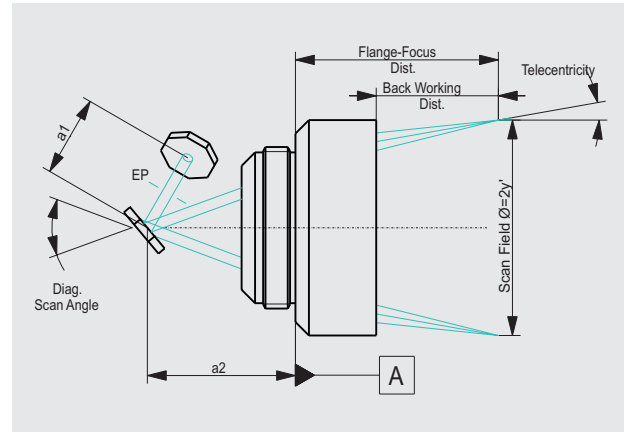


### Specifications

#### JENar™ 255-1030...1080-239



### Definition of geometrical parameters



JENar®: Registered in EU, CN, JP, SG, US | F-Theta: Registered Design in EU, CN, KR, JP, SG, IN, HK, TW

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.