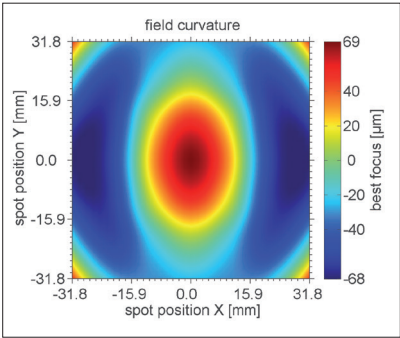
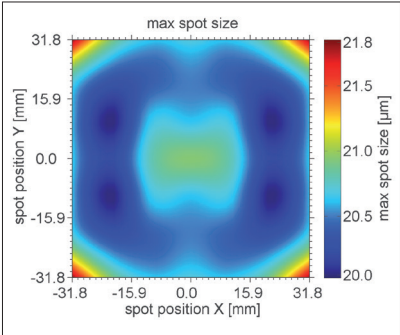


F-Theta JENar™ Lens Series

High Image Quality – JENar™ 100-1030...1080-93

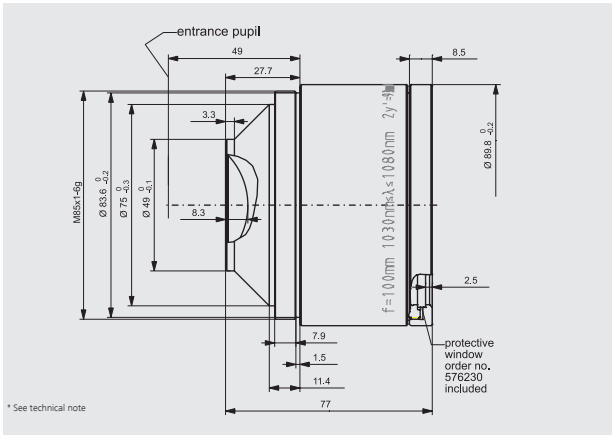
Parameters	JENar™ 100-1030...1080-93 F-Theta lens for high image quality
Focal length:	100 mm
Wavelength:	1030...1080 nm
Scan field (X x Y); Ø:	(66 mm x 66 mm); 93 mm
Diagonal scan angle:	54°
Back working distance:	87 mm
Flange focus distance:	136.3 mm
Input beam Ø 1/e²:	10 mm
Focus size Ø 1/e²:	19 µm
a1:	13 mm
a2:	42.5 mm
Telecentricity (only F-Theta with scanner):	8.7° 9.1°
Group delay dispersion (GDD)*:	1710 fs²
LIDT coating pulsed; CW*:	5.0 J/cm² * (τ/[ns]) ^ 0.30; 5.0 MW/cm²
LIDT system pulsed; CW*:	5.0 J/cm² * (τ/[ns]) ^ 0.30; 5.0 MW/cm²
Weight:	0.7 kg
Order Number::	017700-024-26

Spot properties

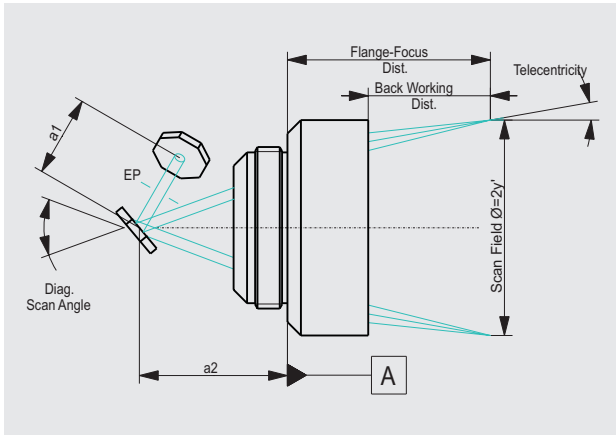


Specifications

JENar™ 100-1030...1080-93



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.

