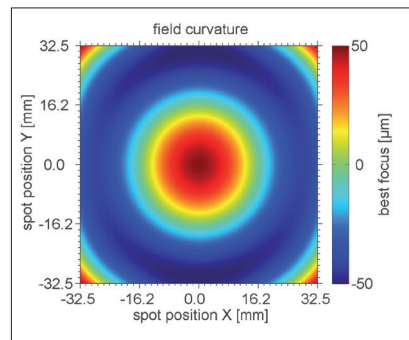
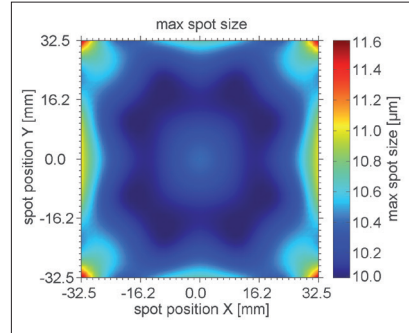


F-Theta JENar™ Lens Series

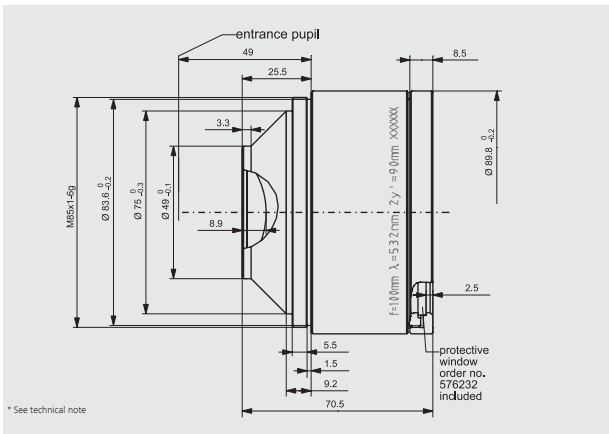
High Image Quality – JENar™ 100-515...540-90

Parameters	JENar™ 100-515...540-90 F-Theta lens for high image quality
Focal length:	100 mm
Wavelength:	515...540 nm
Scan field (X x Y); Ø:	(64 mm x 64 mm); 90 mm
Diagonal scan angle:	53°
Back working distance:	95 mm
Flange focus distance:	140 mm
Input beam Ø 1/e ² :	10 mm
Focus size Ø 1/e ² :	10 µm
a1:	13 mm
a2:	42.5 mm
Telecentricity (only F-Theta with scanner):	7.7° 7.8°
Group delay dispersion (GDD)*:	4940 fs ²
LIDT coating pulsed; CW*:	2.5 J/cm ² * (τ/[ns]) ^ 0.35; 2.5 MW/cm ²
LIDT system pulsed; CW*:	The system LIDT depends strongly on used laser parameters. Please be advised to test.
Weight:	0.7 kg
Order Number::	017700-209-26

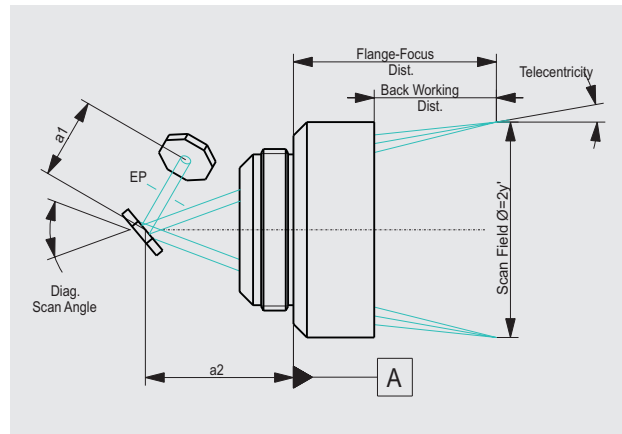
Spot properties



Specifications JENar™ 100-515...540-90



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.