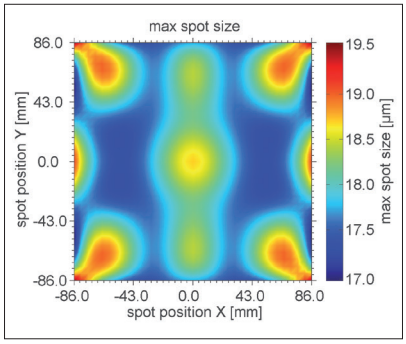
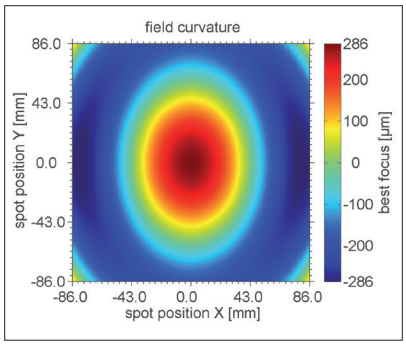
F-Theta JENar™ Silverline™ Lens
High Power Lens – JENar™ 255-355-240

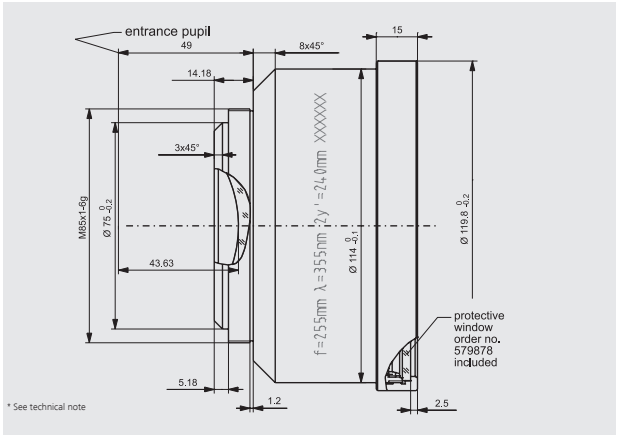
Parameters	JENar™ 255-355-240 Fused silica lens
Focal length:	255 mm
Wavelength:	355 nm
Scan field (X x Y); Ø:	(170 mm x 170 mm); 240 mm
Diagonal scan angle:	± 27.1°
X/Y mirror angle:	± 9.7°
Back working distance:	313.6 mm
Flange focus distance:	373.3 mm
Input beam Ø 1/e²:	10 mm
Focus size Ø 1/e²:	17 µm
a1 | a2:	13 mm | 42.5 mm
Telecentricity (only F-Theta | with scanner):	12.7° | 12.7°
Group delay dispersion (GDD)*:	6530 fs²
LIDT coating pulsed; CW*:	1.0 J/cm² * (τ/[ns]) ^ 0.40; 1.0 MW/cm²
LIDT system pulsed; CW*:	1.0 J/cm² * (τ/[ns]) ^ 0.40; 1.0 MW/cm²
Weight:	1.2 kg
Order Number:	017700-406-26

Spot properties

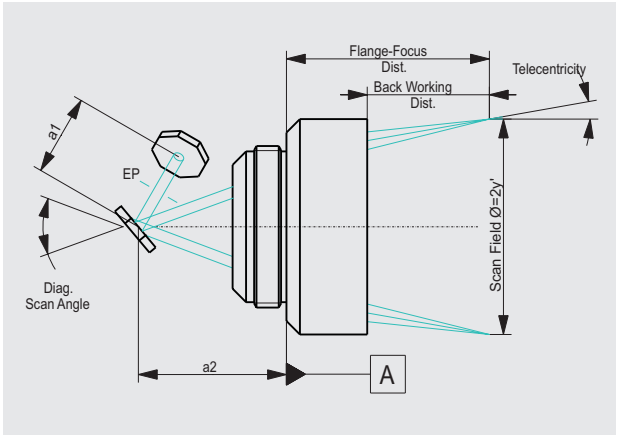




Specifications
JENar™ 255-355-240



Definition of geometrical parameters



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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.

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