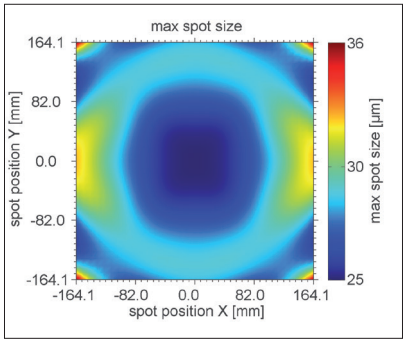
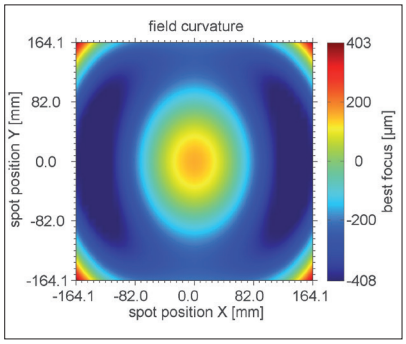
F-Theta JENar™ Silverline™ Lens
High Power Lens – JENar™ 510-355-431

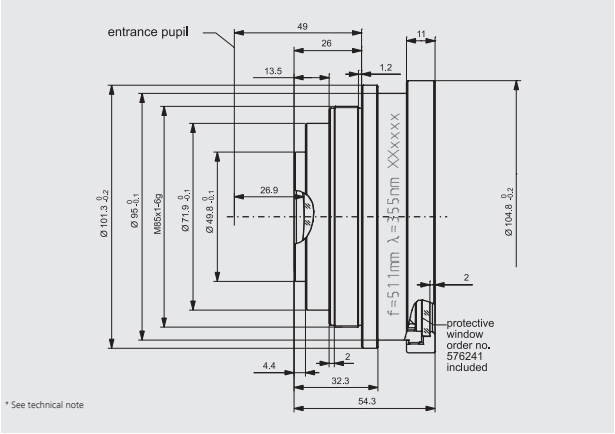
Parameters	JENar™ 510-355-431 Fused silica lens for large scan fields
Focal length:	510 mm
Wavelength:	355 nm
Scan field (X x Y); Ø:	(328 mm x 328 mm); 431 mm
Diagonal scan angle:	± 25.7°
X/Y mirror angle:	± 9.2°
Back working distance:	609 mm
Flange focus distance:	637 mm
Input beam Ø 1/e²:	14 mm
Focus size Ø 1/e²:	24 µm
a1 | a2:	14 mm | 42 mm
Telecentricity (only F-Theta | with scanner):	18.2° | 18.2°
Group delay dispersion (GDD)*:	5260 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:	0.70 kg
Order Number:	017700-405-26

Spot properties

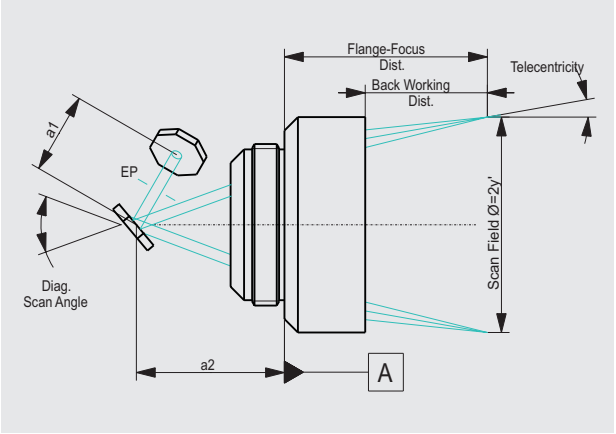




Specifications
JENar™ 510-355-431



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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