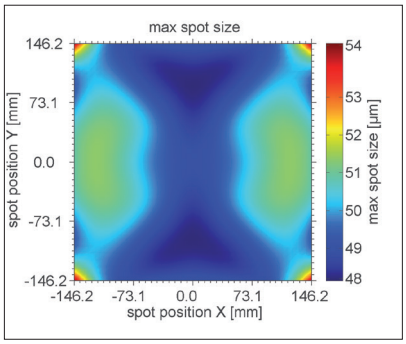
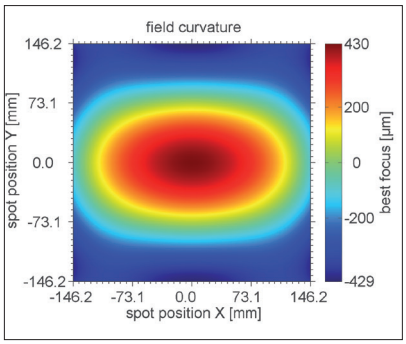
F-Theta JENar™ Lens Series
Large Scan Fields – JENar™ 350-1030...1080-452

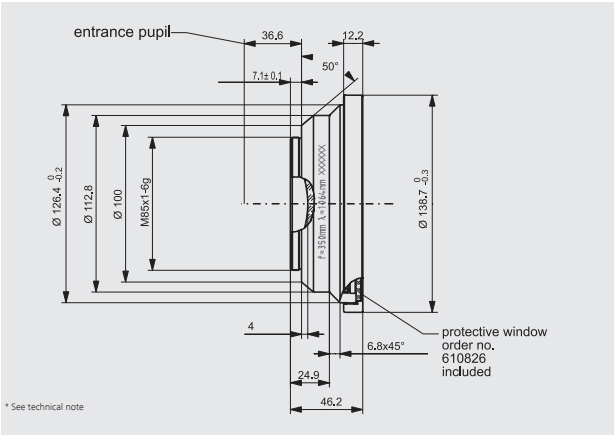
Parameters	JENar™ 350-1030...1080-452 F-Theta lens for large scan fields
Focal length:	350 mm
Wavelength:	1030...1080 nm
Scan field (X x Y); Ø:	(320 mm x 320 mm); 452 mm
Diagonal scan angle:	71°
Back working distance:	395.4 mm
Flange focus distance:	434.5 mm
Input beam Ø 1/e²:	15 mm
Focus size Ø 1/e²:	46 µm
a1:	23.2 mm
a2:	25 mm
Telecentricity (only F-Theta | with scanner):	23.7° | 24°
Group delay dispersion (GDD)*:	2850 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:	1.14 kg
Order Number::	017700-009-26

Spot properties

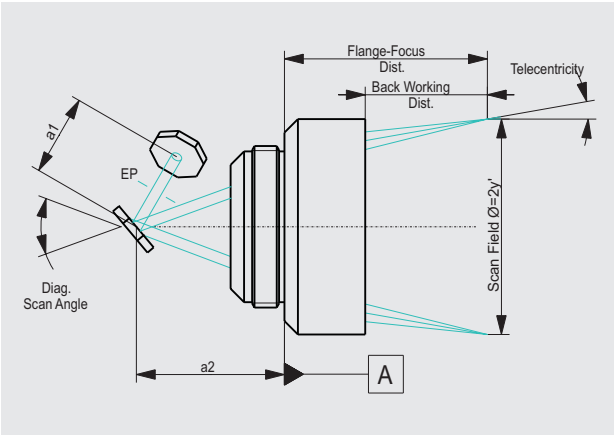




Specifications
JENar™ 350-1030...1080-452



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.