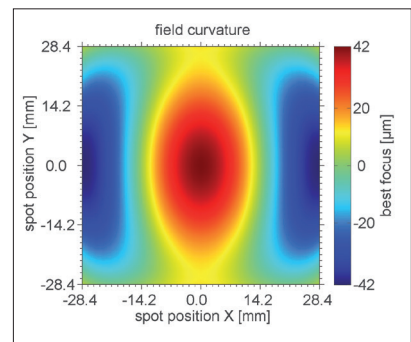
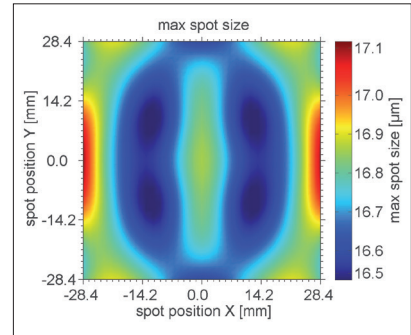


# F-Theta JENar™ Lens Series

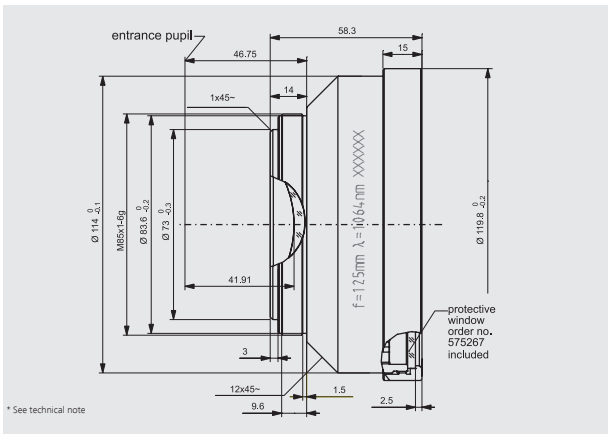
## Telecentric Lens – JENar™ 125-1030...1080-80

Parameters	JENar™ 125-1030...1080-80 Telecentric lens
Focal length:	125 mm
Wavelength:	1030...1080 nm
Scan field ( X x Y ); Ø:	(57 mm x 57 mm); 80 mm
Diagonal scan angle:	37.2°
Back working distance:	154.6 mm
Flange focus distance:	196.9 mm
Input beam Ø 1/e²:	15 mm
Focus size Ø 1/e²:	16 µm
a1:	18.2 mm
a2:	37.65 mm
Telecentricity (only F-Theta   with scanner):	4.9°   5.1°
Group delay dispersion (GDD)*:	3670 fs²
LIDT coating pulsed; CW*:	5.0 J/cm² * (τ/[ns]) ^ 0.30; 5.0 MW/cm²
LIDT system pulsed; CW*:	not available yet
Weight:	0.86 kg
Order Number::	017700-003-26

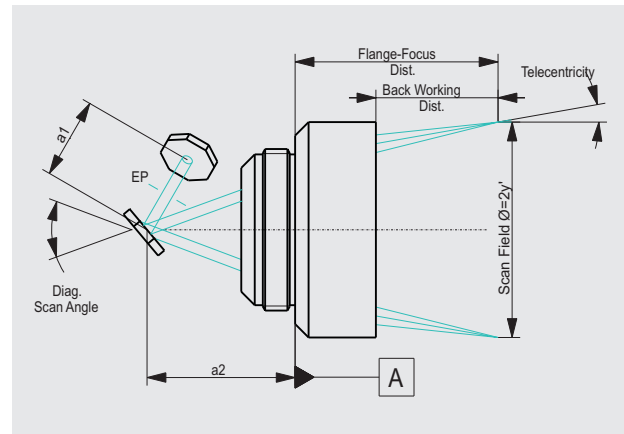
### Spot properties



### Specifications JENar™ 125-1030...1080-80



### 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.