

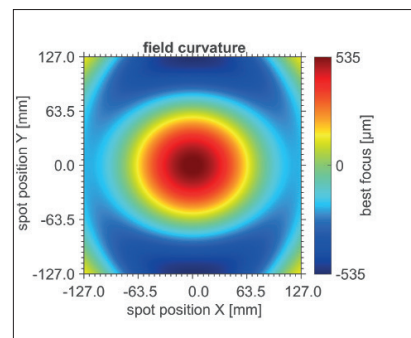
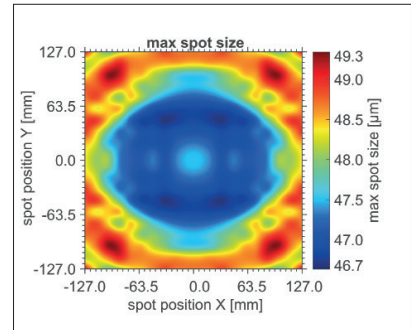
NEW

# F-Theta JENar™ Lens Series

## Large Scan Fields – JENar™ 347-1030...1080-355

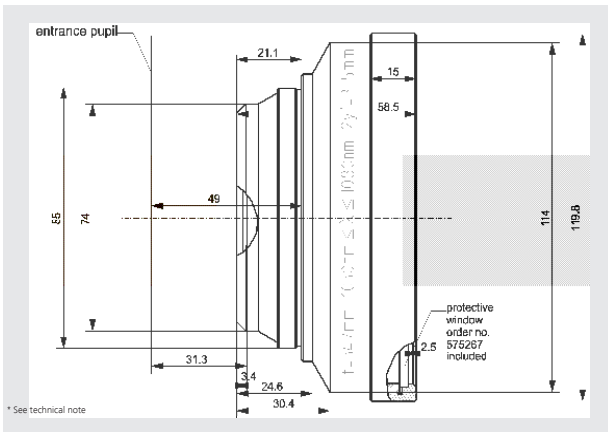
Parameters	JENar™ 347-1030...1080-355 Lens for large scan fields & reflex optimized
Focal length:	347 mm
Wavelength:	1030...1080 nm
Scan field (X x Y); Ø:	(254 mm x 254 mm); 355 mm
Diagonal scan angle:	± 29.1°
X/Y mirror angle:	± 10.4°
Back working distance:	403.6 mm
Flange focus distance:	441 mm
Input beam Ø 1/e <sup>2</sup> :	15 mm
Focus size Ø 1/e <sup>2</sup> :	46 µm
a1   a2:	17 mm   40.5 mm
Telecentricity (only F-Theta   with scanner):	18.2°   18.2°
Group delay dispersion (GDD)*:	1880 fs <sup>2</sup>
LIDT coating pulsed; CW*:	5.0 J/cm <sup>2</sup> * (τ/[ns]) ^ 0.30; 5.0 MW/cm <sup>2</sup>
LIDT system pulsed; CW*:	5.0 J/cm <sup>2</sup> * (τ/[ns]) ^ 0.30; 5.0 MW/cm <sup>2</sup>
Weight:	0.8 kg
Order Number:	609661

### Spot properties

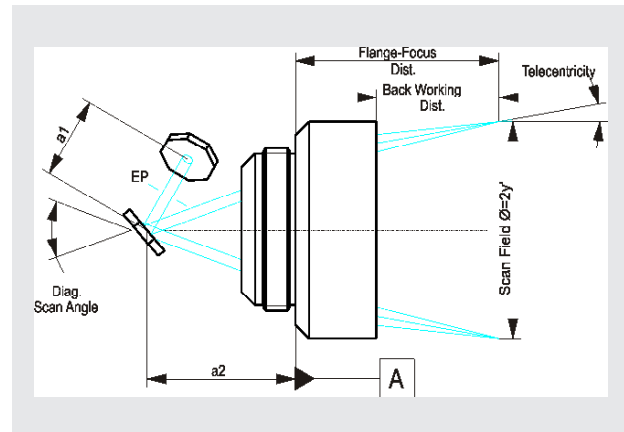


### Specifications

JENar™ 347-1030...1080-355



### 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.