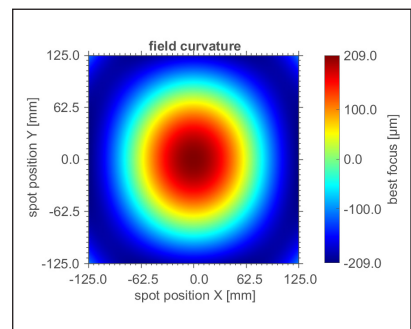
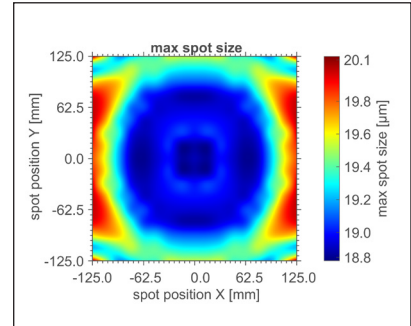


# F-Theta JENar™ APTALine™ Lens

## High-Power Lens JENar™ APTALine™ 420-355-353-AL

Parameters	JENar APTALine™ 420-355-353-AL Fused silica lens
Focal length:	420 mm
Wavelength:	355 nm
Scan field ( X x Y ); Ø:	(250 mm x 250 mm); 353 mm
Diagonal scan angle:	± 24.0°
X/Y mirror angle:	± 8.5°
Back working distance:	496.0 mm
Flange focus distance:	572.0 mm
Input beam Ø 1/e <sup>2</sup> :	15 mm
Focus size Ø 1/e <sup>2</sup> :	18.9 µm
a1	17 mm
a2	35.1 mm
Telecentricity (only F-Theta   with scanner):	14.7°   14.7°
Group delay dispersion (GDD):	6530 fs <sup>2</sup>
LIDT coating pulsed; CW:	0.5 J/cm <sup>2</sup> * (τ/[ns]) ^ 0.4; 0.5 MW/cm <sup>2</sup>
LIDT system pulsed; CW:	0.5 J/cm <sup>2</sup> * (τ/[ns]) ^ 0.4; 0.5 MW/cm <sup>2</sup>
Weight:	1.4 kg
Order Number:	739569*

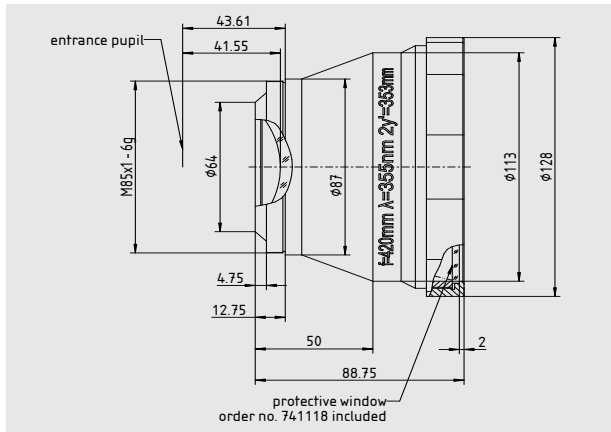
### Spot properties



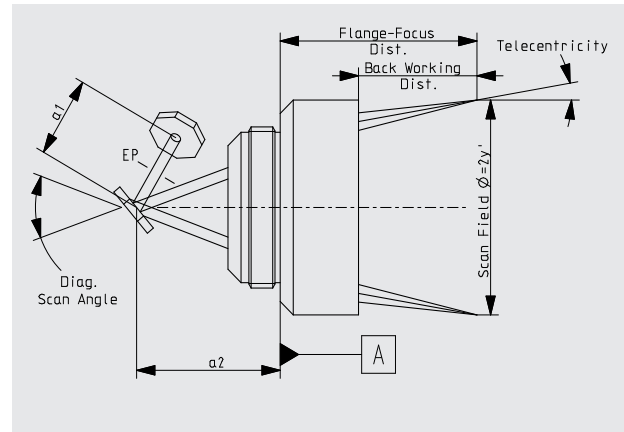
\*Please note: Order number was changed. Previous one was 727640.

### Specifications

JENar™ APTALine™ 420-355-353-AL



### 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 | APTALine® registered in: DE, EU, JP, KR, US, CN

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.