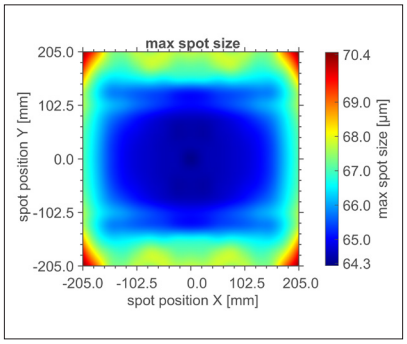
F-Theta JENar™ APTAline™ Lens Series

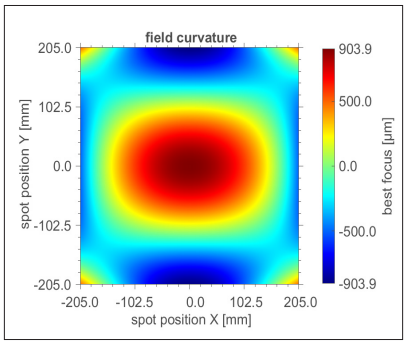
High Image Quality – JENar™ APTAline™ 639-1030...1080-580 AL

Parameters	JENar™ APTAline™ 639-1030...1080-580 AL F-Theta lens for high image quality
Focal length:	639 mm
Wavelength:	1030...1080 nm
Scan field (X x Y); Ø:	(410 mm x 410 mm); 580 mm
Diagonal scan angle:	± 25.0°
X/Y mirror angle:	± 9°
Back working distance:	565.0 mm
Flange focus distance:	673.4 mm
Input beam Ø 1/e²:	20.0 mm
Focus size Ø 1/e²:	65.3 µm
a1:	25.6 mm
a2:	31.5 mm
Telecentricity (only F-Theta | with scanner):	22.3° | 22.4°
Group delay dispersion (GDD):	620 fs²
LIDT coating pulsed; CW:	2.5 J/cm² * (τ/[ns])^0.3; 2.5 MW/cm²
LIDT system pulsed; CW:	2.5 J/cm² * (τ/[ns])^0.3; 2.5 MW/cm²
Weight:	1.875 kg
Order Number	739662*

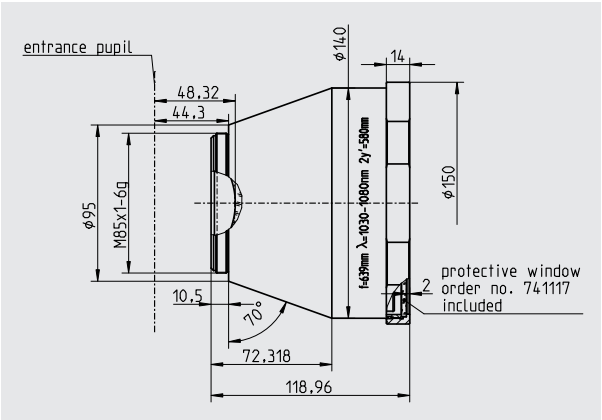
*Please note: Order number was changed. Previous one was 726577.

Spot properties

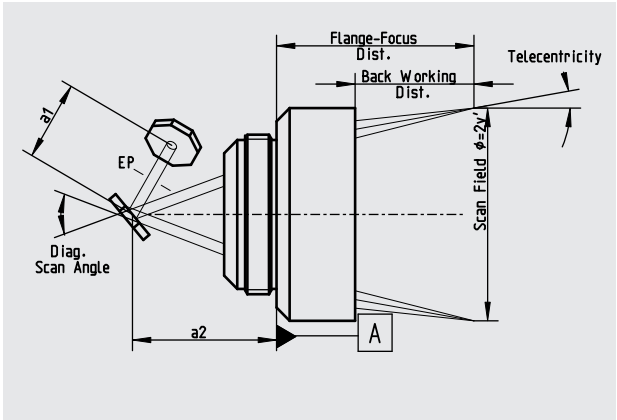




Specifications
JENar™ APTAline™ 639-1030...1080-580 AL



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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