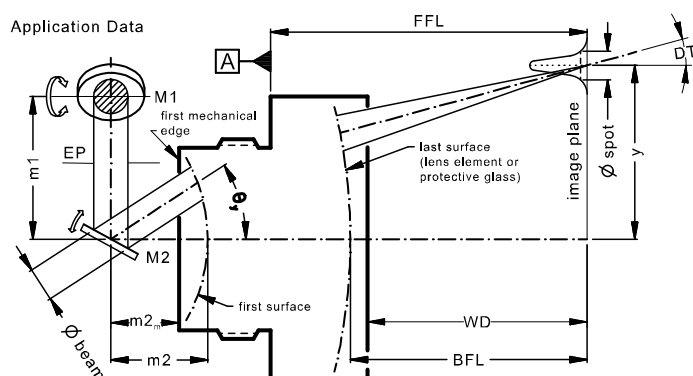


LINOS F-Theta-Ronar Lens

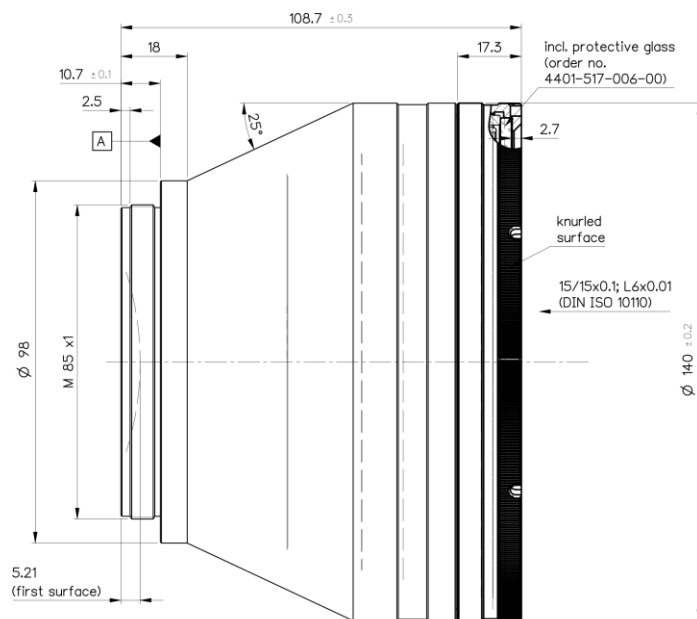
f = 167mm, 515-540nm, telecentric, fused silica, low absorption



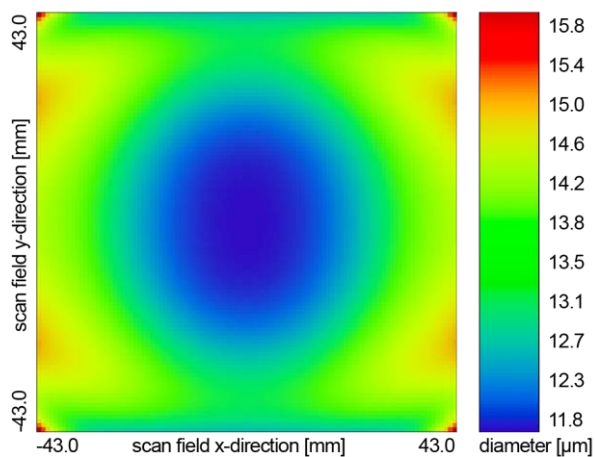
Part number	4401-517-000-26		
Design wavelength	λ	(nm)	532
Effective focal length	EFL	(mm)	166.1
Back focal length	BFL	(mm)	218.2
Working distance	WD	(mm)	215.5
Flange focal length	FFL	(mm)	313.4
Beam diameter 1/e ² truncated	Øbeam	(mm)	14.0
Recommended mirror distance m1	m1	(mm)	17.0
Recommended mirror distance m2	m2	(mm)	33.0
Recommended mirror distance m2 _{mechanical}	m2 _m	(mm)	27.8
Scan angle	±θ _{x,y}	(°)	15.4
Scan area (edge length of scan field)	2x * 2y	(mm ²)	86 x 86
Spot diameter	Øspot	(µm)	12
Telecentric error (maximum deviation)	DT	(°)	3.4
Total transmission @ 515 - 540nm	T	(%)	> 96
Group delay dispersion at λ	GDD	(fs ²)	4879
LIDT coating @ 532nm, 8ns, 100Hz		(J/cm ²)	20
LIDT coating @ 515nm, 204fs, 50kHz		(J/cm ²)	0.6
Focused back reflex positions from first surface		(mm)	3.3; 4.5; 6.1; 10.1; 14.7; 15.1; 40.0
Weight		(g)	2250
Protective glass	PG		4401-517-006-00

Optical parameters calculated for a 1-mirror system
Subject to technical change

Technical drawing of a circular flange. The drawing shows a circular profile with a central dashed line indicating the axis of symmetry. The outer diameter is dimensioned as 3.5. The inner diameter is dimensioned as 3. The thickness of the flange is dimensioned as 3.5. The drawing also shows 6x 60° chamfers around the outer edge.



Spot variation over scan field

14mm diameter at $1/e^2$ truncated

For technical explanations, see our homepage.

In a 1-mirror system, the entrance pupil (EP) is the position of the scan mirror. In a 2-mirror system, it is the point where the scan mirrors should be placed around symmetrically to reach specified performance.

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