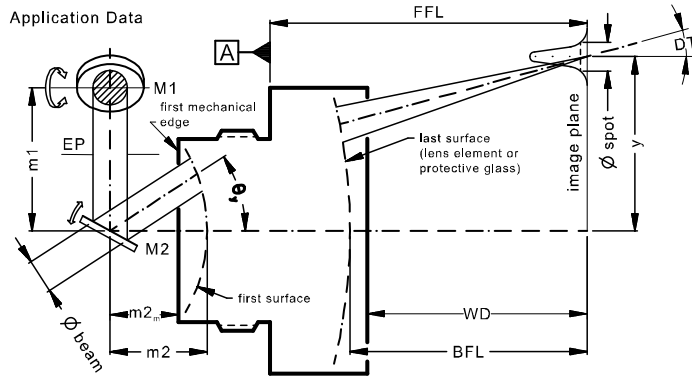


LINOS F-Theta-Ronar Lens

f = 354mm, 1900-2000nm, fused silica



Part number	4401-569-000-21			
Design wavelength	λ	(nm)	1940	
Effective focal length	EFL	(mm)	353.8	
Back focal length	BFL	(mm)	460.3	
Working distance	WD	(mm)	457.5	
Flange focal length	FFL	(mm)	530.7	
Beam diameter $1/e^2$ truncated	$\varnothing_{\text{beam}}$	(mm)	14.0	20.0
Recommended mirror distance m1	m1	(mm)	17.0	25.6
Recommended mirror distance m2	m2	(mm)	28.5	28.0
Recommended mirror distance $m2_{\text{mechanical}}$	$m2_m$	(mm)	22.5	22.0
Scan angle	$\pm\theta_{x,y}$	($^\circ$)	16.6	14.7
Scan area (edge length of scan field)	$2x * 2y$	(mm^2)	214 x 214	179 x 179
Spot diameter	$\varnothing_{\text{spot}}$	(μm)	90	63
Telecentric error (maximum deviation)	DT	($^\circ$)	12.5	10.5
Total transmission @ 1940nm	T	(%)	> 95	
Focused back reflex positions from first surface		(mm)	17.9; 39.0	
Weight		(g)	1875	
Protective glass	PG		4401-569-005-00	

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

