

## Objectives

Property	SILL S4LFT1920/328 *	Wavelength O-E SL-1070-830x83-1125Q- D20	SILL S4LFT0910/328*
Effective focal length	1,920 mm	1,125 mm	910 mm
Working Distance	2,000 mm	1,268 mm	1,050 mm
Scan field	1,500 x 300 mm <sup>2</sup>	830 x 83 mm <sup>2</sup>	430 x 430 mm <sup>2</sup>
Wavelength	1,064 nm	1,070 nm	1,064 nm
Pulse duration	fs, ps, ns, cw	fs, ps, ns, cw	fs, ps, ns, cw
Spotsize (focus)	> 170 µm	> 110 µm	> 67 µm

Property	SILL S4LFT0635/126*	SILL S4LFT2650/328*	Wavelength O-E SL-1064-280-500Q-D32
Effective focal length	635 mm	650 mm	500 mm
Working Distance	733 mm	527 mm	618 mm
Scan field	365 x 365 mm <sup>2</sup>	500 x 50 mm <sup>2</sup>	280 x 280 mm <sup>2</sup>
Wavelength	1,064 nm	1,064 nm	1,064 nm
Pulse duration	fs, ps, ns, cw	fs, ps, ns, cw	fs, ps, ns, cw
Spotsize (focus)	> 52 µm	> 48 µm	> 40 µm

Property	SILL S4LFT0420/126*	Wavelength O-E SL-1070-260X26-360Q- D22*	SILL S4LFT5430/328
Effective focal length	420 mm	360 mm	430 mm
Working Distance	480 mm	472 mm	540 mm
Scan field	240 x 240 mm <sup>2</sup>	261 x 26,1 mm <sup>2</sup>	250 x 250 mm <sup>2</sup>
Wavelength	1,064 nm	1,070 nm	1,064 nm
Pulse duration	fs, ps, ns, cw	fs, ps, ns, cw	fs, ps, ns, cw
Spotsize (focus)	> 40 µm	> 33 µm	> 32 µm

Property	Wavelength O-E TSL-1070-210X21-320Q- D20	Sill S4LFT1270/328 *	JENar™ 255-1030...1080-239*
Effective focal length	320 mm	270 mm	255 mm
Working Distance	438 mm	300 mm	290 mm
Scan field	210 x 21 mm <sup>2</sup>	160 x 160 mm <sup>2</sup>	100 x 80 mm <sup>2</sup>
Wavelength	1,070 nm	1,064 (1,030 – 1,090) nm	1,030 – 1,080 nm
Pulse duration	fs, ps, ns, cw	fs, ps, ns, cw	fs, ps, ns, cw
Spotsize (focus)	> 31 µm	> 25 µm	> 24 µm

Property	Wavelength O-E SL-532-210-400Q-D20	Wavelength O-E SL-515-275x27,5-365Q-D22	Sill S4LFT5365/126*
Effective focal length	400 mm	365 mm	163 mm
Working Distance	560 mm	486 mm	198 mm
Scan field	210 x 210 mm <sup>2</sup>	275 x 27,5 mm <sup>2</sup>	70 x 70 mm <sup>2</sup>
Wavelength	532 nm	515 nm	1,064 nm
Pulse duration	fs, ps, ns, cw	fs, ps, ns, cw	fs, ps, ns, cw
Spotsize (focus)	> 20 µm	> 16 µm	> 16 µm

Property	Wavelength O-E TSL-515-210x21-318Q-D20	Wavelength O-E SL-515-175x17,5-300Q-D20	Wavelength O-E SL-355-210-400Q-D20*
Effective focal length	318 mm	300 mm	400 mm
Working Distance	437 mm	433 mm	560 mm
Scan field	210 x 21 mm <sup>2</sup>	175 x 17,5 mm <sup>2</sup>	210 x 210 mm <sup>2</sup>
Wavelength	515 nm	515 nm	355 nm
Pulse duration	fs, ps, ns, cw	fs, ps, ns, cw	fs, ps, ns, cw
Spotsize (focus)	> 15 µm	> 14 µm	> 13 µm

Property	Wavelength O-E SL-515-138x14-280Q-D22	Wavelength O-E TSL-343-210x21-320Q-D20	Sill Special
Effective focal length	280 mm	320 mm	265 mm
Working Distance	378 mm	440 mm	323 mm
Scan field	138 x 14 mm <sup>2</sup>	210 x 21 mm <sup>2</sup>	138 x 14 mm <sup>2</sup>
Wavelength	515 nm	343 nm	532 nm
Pulse duration	fs, ps, ns, cw	fs, ps, ns, cw	fs, ps, ns, cw
Spotsize (focus)	> 12 µm	> 10 µm	> 9 µm

Property	Wavelength O-E TSL-355-100-294-D30*	Wavelength O-E TSL-355-20-70Q-D10	technical status as of 04.04.2024, subject to change red - optics specially developed for the scanner black - standard optics  * tested
Effective focal length	294 mm	70 mm	
Working Distance	392 mm	93 mm	
Scan field	100 x 100 mm <sup>2</sup>	18 x 18 mm <sup>2</sup>	
Wavelength	355 nm	355 nm	
Pulse duration	fs, ps, ns, cw	fs, ps, ns, cw	
Spotsize (focus)	> 6 µm	> 4 µm	