

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 ²	830 x 83 mm ²	500 x 500 mm ²
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 S4LFT2650/328*	SILL S4LFT0635/126*	SILL S4LFT0420/126*
Effective focal length	650 mm	635 mm	420 mm
Working Distance	527 mm	733 mm	480 mm
Scan field	500 x 50 mm ²	365 x 365 mm ²	240 x 240 mm ²
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)	> 48 µm	> 52 µm	> 40 µm

Property	Wavelength O-E SL-1070-260X26-360Q- D22*	SILL S4LFT5430/328	Wavelength O-E TSL-1070-260X26-360Q- D22*
Effective focal length	360 mm	430 mm	320 mm
Working Distance	472 mm	540 mm	438 mm
Scan field	261 x 26,1 mm ²	250 x 250 mm ²	210 x 21 mm ²
Wavelength	1,070 nm	1,064 nm	1,070 nm
Pulse duration	fs, ps, ns, cw	fs, ps, ns, cw	fs, ps, ns, cw
Spotsize (focus)	> 33 µm	> 32 µm	> 31 µm

Property	Sill S4LFT1270/328 *	JENar™ 255-1030...1080-239*	Wavelength O-E SL-532-210X21-320Q- D20
Effective focal length	270 mm	255 mm	400 mm
Working Distance	300 mm	290 mm	560 mm
Scan field	160 x 160 mm ²	100 x 80 mm ²	210 x 210 mm ²
Wavelength	1,064 (1,030 – 1,090) nm	1,030 – 1,080 nm	532 nm
Pulse duration	fs, ps, ns, cw	fs, ps, ns, cw	fs, ps, ns, cw
Spotsize (focus)	> 25 µm	> 24 µm	> 20 µm

Property	Wavelength O-E SL-515-275x27,5-365Q-D22	Sill S4LFT5365/126*	Wavelength O-E SL-355-210-400Q-D20*
Effective focal length	365 mm	163 mm	318 mm
Working Distance	486 mm	198 mm	437 mm
Scan field	275x27,5 mm ²	70 x 70 mm ²	210 x 21 mm ²
Wavelength	515 nm	1,064 nm	515 nm
Pulse duration	fs, ps, ns, cw	fs, ps, ns, cw	fs, ps, ns, cw
Spotsize (focus)	> 16 µm	> 16 µm	> 15 µm

Property	Wavelength O-E SL-515-175x17,5-300Q-D20	Wavelength O-E SL-355-210-400Q-D20*	Wavelength O-E SL-515-138x14-280Q-D22
Effective focal length	300 mm	400 mm	280 mm
Working Distance	433 mm	560 mm	378 mm
Scan field	175x17,5 mm ²	210 x 210 mm ²	138 x 14 mm ²
Wavelength	515 nm	355 nm	532 nm
Pulse duration	fs, ps, ns, cw	fs, ps, ns, cw	fs, ps, ns, cw
Spotsize (focus)	> 14 µm	> 13 µm	> 12 µm

Property	Wavelength O-E SL-515-138x14-280Q-D22	Sill S4LFT2650/328	Wavelength O-E TSL-355-100-294-D30*
Effective focal length	320 mm	265 mm	294 mm
Working Distance	440 mm	323 mm	392 mm
Scan field	210 x 21 mm ²	138 x 14 mm ²	100 x 100 mm ²
Wavelength	343 mm	532 nm	355 mm
Pulse duration	fs, ps, ns, cw	fs, ps, ns, cw	fs, ps, ns, cw
Spotsize (focus)	> 10 µm	> 9 µm	> 6 µm

Property	Wavelength O-E TSL-355-20-70Q-D10
Effective focal length	70 mm
Working Distance	93 mm
Scan field	18 x 18 mm ²
Wavelength	355 mm
Pulse duration	fs, ps, ns, cw
Spotsize (focus)	> 4 µm

technical status as of 27.11.2023, subject to change
 red - optics specially developed for the scanner
 black - standard optics

* tested