

**Optical Head with laser diode (up to 1 MHz)**

PILxxx	wavelength (nm)	tolerance (nm)	spectral width (nm)	pulse width (ps)	peak power in collimated beam (mW)
PIL037SPS	375	± 10	< 7	< 50	> 400
PIL040	408	± 10	< 7	< 45(<25)	> 400 (>1W)
PIL043	440	± 10	< 7	< 60	> 200
PIL047	473	± 10	< 7	< 60	> 200
PIL048	480	± 10	< 7	< 60	> 140
PIL051	510	± 10	< 10	< 70	> 140
PIL063	635	± 10	< 7	< 40	> 300(>1W)
PIL067	670	± 10	< 7	< 40	> 300
PIL078	780	± 15	< 7	< 35	> 300
PIL083	830	± 15	< 10	< 35	> 300
PIL085	850	± 15	< 10	< 25	> 100
PIL090	905	± 15	< 10	< 50	> 300
PIL106	1060	± 15	< 12	< 40	> 300
PIL130	1300	± 15	< 13	< 35	> 100
PIL155	1550	± 15	< 15	< 25	> 50
PILxxxDFB	850,1064, 1310, 1550	± 3	< 0.2	30 - 90	> 20

**Optical Head of the Fast PiLas (fixed repetition rate 100 MHz)**

PILxxxF	wavelength (nm)	tolerance (nm)	spectral width (nm)	pulse width (ps)	peak power (mW)	avg. Power (mW)
PIL040F	400	± 10	< 7	< 50	> 100	> 0.25
PIL063F	635	± 10	< 7	< 45	> 100	> 0.5
PIL067F	670	± 10	< 7	< 45	> 100	> 0.5
PIL078F	780	± 15	< 7	< 45	> 100	> 0.5
PIL083F	830	± 15	< 10	< 45	> 100	> 0.4
PIL130F	1300	+ 5/-15	< 13	< 50	> 50	> 0.2
PIL155F	1550	+ 5/-15	< 15	< 30	> 50	> 0.1
PILxxxDFBF	850, 1064, 1310, 1550	± 3	< 0.1	30...90	> 20	> 0.05

Dimensions of the optical heads: width x height x depth = 74mm x 38mm x 107mm