

Parameters	Laser Type	Multimode laser (Typical name: BAL)	Single mode laser (Typical name: RWL, Fabry Perot Laser)	Single frequency laser			Parameter importance  2= critical  1= important 0.5= nice to have  0= not important
				FBG, VBG	RWS	DFB, DBR	
Wavelength tolerance		Ca. 10 to 20 nm	Ca. 5 to 10 nm	Ca. 2 nm	Ca. 3 nm	Ca. 0.5 to 2 nm	
Linewidth		Ca. 3 to 5 nm	Ca. 1 nm	Ca: 300 GHz	< 50 MHz	< 2MHz	
Wavelength stability		Ca. 0.3nm/K	Ca. 0.3nm/K	Ca. 0.01nm/K	Ca. 0.06 nm/K	Ca. 0.06 nm/K	
Transverse Mode		Multimode (non Gaussian)	TEM 00 (Gaussian beam)	TEM 00 (Gaussian beam)	TEM 00 (Gaussian beam)	TEM 00 (Gaussian beam)	
M <sup>2</sup>		>> 2	Ca. 1.1	Ca. 1.1	Ca. 1.1	Ca. 1.1	
Power (Single Emitter)		cw: 1-18 W pulsed: 5-100 W	cw: 50-1000 mW pulsed: < 3 W	cw: up to 600mW pulsed: <1.5W	cw: 5- 400 mW pulsed: < 1 W	cw: 5- 400 mW pulsed: < 1 W	
<b>Accumulated weighting result</b>							