

Characteristic	5:2	D=4	PULSED SYSTEM MAGIC Super FULL																																	
			1064																				532													
Wavelength, nm	Free Single								Free Single FT		Free Multi			Free Multi			Free Multi			Q-switched	Q-switched Double	Q-Switched			Q-Switched			Q-switched	Q-switched Double	Q-Switched			Q-Switched			
Operational modes									1 Pulse	2 Pulse	3 Pulse	1 Pulse	2 Pulse	3 Pulse	1 Pulse	2 Pulse	3 Pulse	Q-switched	Q-switched Double	Single FM 3kHz	Single FM 6kHz	Single FM 8kHz	Single FM 3kHz	Single FM 6kHz	Single FM 8kHz	Q-switched	Q-switched Double	Single FM 3kHz	Single FM 6kHz	Single FM 8kHz	Single FM 3kHz	Single FM 6kHz	Single FM 8kHz	Single FM 3kHz	Single FM 6kHz	Single FM 8kHz
Max pulse energy, J (*)	1.6	2	3.54	20	35	50	15	20	1.6	3.54	50	2	3.54	40	3.54	3.54	35	0.7	0.7	10	10	10	10	10	10	0.35	0.35	1.5	1.5	1.5	2.5	2.5	2.5			
Max pulse energy, J (*)	1.6(0.34ms @ 20Hz)	2(0.5ms @ 15Hz)	3.54(1ms @ 10Hz)	20(10ms @ 3Hz)	35(30ms @ 1Hz)	50(60ms @ 1Hz)	15(10ms @ 3Hz)	20(20-60ms @ 1Hz)	1.6	3.54	50	2	3.54	40	3.54	3.54	35	0.7(10ms) @ 20Hz	0.7(2x10ms) @ 20Hz	10(10ms @ 3Hz)	10(10ms @ 3Hz)	10(10ms @ 3Hz)	20(40ms @ 1Hz)	20(40ms @ 1Hz)	20(40ms @ 1Hz)	0.35(10ms) @ 20Hz	0.35(2x10ms) @ 20Hz	1.5(10ms @ 3Hz)	1.5(10ms @ 3Hz)	1.5(10ms @ 3Hz)	2.5(40ms @ 1Hz)	2.5(40ms @ 1Hz)	2.5(40ms @ 1Hz)			
Pulse length (*see detail pictures on page 2)	0.34ms	0.5ms	1ms	10ms	30ms	60ms	10ms	20-60ms	0.34ms (1ms pause)	1ms (1ms pause)	60ms	0.5(1ms pause)	1ms(1ms pause)	40ms	0.5(1ms pause)	1ms(1ms pause)	30ms	10-20ms	10ms+10ms(pause)+10ms	10ms	10ms	10ms	40-60ms	40-60ms	40-60ms	10-20ms	10ms+10ms(pause)+10ms	10ms	10ms	10ms	40-60ms	40-60ms	40-60ms			
Max pulse fluence, J/cm2 on spot diameter, mm	1.5																									19.8	19.8	84.9	84.9	84.9	141.5	141.5	141.5			
Max pulse fluence, J/cm2 on spot diameter, mm	2	51.0	63.7	112.7	636.9	1114.6	1592.4	477.7	636.9	51.0	112.7	1592.4	63.7	112.7	1273.9	112.7	112.7	1114.6	22.3	22.3	318.5	318.5	318.5	636.9	636.9	636.9	11.1	11.1	47.8	47.8	47.8	79.6	79.6	79.6		
Max pulse fluence, J/cm2 on spot diameter, mm	2.5																										7.1	7.1	30.6	30.6	30.6	51.0	51.0	51.0		
Max pulse fluence, J/cm2 on diameter	3	22.6	28.3	50.1	283.1	495.4	707.7	212.3	283.1	22.6	50.1	707.7	28.3	50.1	566.2	50.1	50.1	495.4	9.9	9.9	141.5	141.5	141.5	283.1	283.1	283.1	5.0	5.0	21.2	21.2	21.2	35.4	35.4	35.4		
Max pulse fluence, J/cm2 on diameter	4	12.7	15.9	28.2	159.2	278.7	398.1	119.4	159.2	12.7	28.2	398.1	15.9	28.2	318.5	28.2	28.2	278.7	5.6	5.6	79.6	79.6	79.6	159.2	159.2	159.2	2.8	2.8	11.9	11.9	11.9	19.9	19.9	19.9		
Max pulse fluence, J/cm2 on diameter	5	8.2	10.2	18.0	101.9	178.3	254.8	76.4	101.9	8.2	18.0	254.8	10.2	18.0	203.8	18.0	18.0	178.3	3.6	3.6	51.0	51.0	51.0	101.9	101.9	101.9	1.8	1.8	7.6	7.6	7.6	12.7	12.7	12.7		
Max pulse fluence, J/cm2 on diameter	5.5	6.7	8.4	14.9	84.2	147.4	210.6	63.2	84.2	6.7	14.9	210.6	8.4	14.9	168.4	14.9	14.9	147.4	2.9	2.9	42.1	42.1	42.1	84.2	84.2	84.2	1.5	1.5	6.3	6.3	10.5	10.5	10.5			
Max pulse fluence, J/cm2 on diameter	6																										1.2	1.2	5.3	5.3	5.3	8.8	8.8	8.8		
Max pulse fluence, J/cm2 on diameter	6.5	4.8	6.0	10.7	60.3	105.5	150.8	45.2	60.3	4.8	10.7	150.8	6.0	10.7	120.6	10.7	10.7	105.5	2.1	2.1	30.2	30.2	30.2	60.3	60.3	60.3	1.1	1.1	4.5	4.5	4.5	7.5	7.5	7.5		
Max pulse fluence, J/cm2 on diameter	7	4.2	5.2	9.2	52.0	91.0	130.0	39.0	52.0	4.2	9.2	130.0	5.2	9.2	104.0	9.2	9.2	91.0	1.8	1.8	26.0	26.0	26.0	52.0	52.0	52.0	0.9	0.9	3.9	3.9	3.9	6.5	6.5	6.5		
Max pulse fluence, J/cm2 on diameter	7.5	3.6	4.5	8.0	45.3	79.3	113.2	34.0	45.3	3.6	8.0	113.2	4.5	8.0	90.6	8.0	8.0	79.3	1.6	1.6	22.6	22.6	22.6	45.3	45.3	45.3	0.8	0.8	3.4	3.4	3.4	5.7	5.7	5.7		
Max pulse fluence, J/cm2 on diameter	8	3.2	4.0	7.0	39.8	69.7	99.5	29.9	39.8	3.2	7.0	99.5	4.0	7.0	79.6	7.0	7.0	69.7	1.4	1.4	19.9	19.9	19.9	39.8	39.8	39.8	0.7	0.7	3.0	3.0	3.0	5.0	5.0	5.0		
Max pulse fluence, J/cm2 on diameter	9	2.5	3.1	5.6	31.5	55.0	78.6	23.6	31.5	2.5	5.6	78.6	3.1	5.6	62.9	5.6	5.6	55.0	1.1	1.1	15.7	15.7	15.7	31.5	31.5	31.5										
Max pulse fluence, J/cm2 on diameter	9.5	2.8	5.0	28.2	49.4	70.6	21.2	28.2	2.3	5.0	70.6	2.8	5.0	56.5	5.0	5.0	49.4	1.0	1.0	14.1	14.1	14.1	28.2	28.2	28.2											
Max pulse fluence, J/cm2 on diameter	10	2.0	2.5	4.5	25.5	44.6	63.7	19.1	25.5	2.0	4.5	63.7	2.5	4.5	51.0	4.5	4.5	44.6	0.9	0.9	12.7	12.7	12.7	25.5	25.5	25.5										
Max impulse frequency, Hz	20	15	10	3	1	1	3	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	20	3	3	3	1	1	1	20	20	3	3	3	1	1	1		