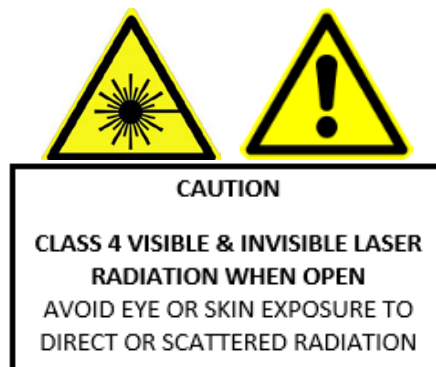
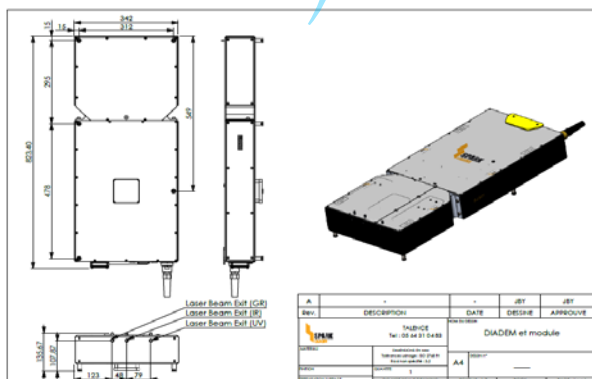


Technical Specifications*

Model	DIADEM IR-30 & DIADEM GR-15	
Wavelength	1030 nm (electronically switchable)	515 nm (electronically switchable)
Spectral linewidth	< 8 nm	
Pulse duration	< 400 fs	
Pulse energy	40 µJ at 100 kHz 40 µJ at 200 kHz 40 µJ at 700 kHz 30 µJ at 1 MHz 15 µJ at 2 MHz	20 µJ at 100 kHz 20 µJ at 200 kHz 20 µJ at 700 kHz 10 µJ at 1 MHz 5 µJ at 2 MHz
Repetition rate	Single pulse to 1 MHz (with burst mode) – 5 MHz optional	
M ²	<1.2	
Beam waist diameter	2 mm	
Beam divergence	<1 mrad	
Beam pointing	<25 µrad/°C	
Ellipticity	>0.85	
Warm-up time	< 15 min	
Power stability	<2% RMS	
Pulse stability	<2% RMS	
Polarization	Linear, >100:1	
External Interfaces	High speed External synchronization (Sync. Out / In), Communication through USB, RS 232, TCP/IP	
Software interfaces	Intuitive GUI, Serial communication Protocol	
Laser head dimensions (mm ³) - Weight	561 x 342 x 143 – 20 kg (main housing + ext. module bolted-in)	
Laser controller dimensions	19"/3U rack – 46 cm depth (rackable)	
Standard umbilical length	3 m	
Power consumption	100 to 240 VAC < 400 W	
Cooling	Air cooled	
INCLUDED	Possibility to convert in the harmonics and electronically switch thanks to an external module (IR/GR or IR/GR/UV)	
	Tunable pulse duration from < 400 fs up to 10ps	
	ULTRA-SYNC: low timing jitter for ultra accurate on-demand pulse triggering	

* Specifications subject to change without notice.

Please contact us for Customization needs



SPARK LASERS offers a 24-month warranty for all DIADEM laser range.

For full details of this warranty coverage, please refer to our website www.spark-lasers.com or contact us at +33 564 310 484



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