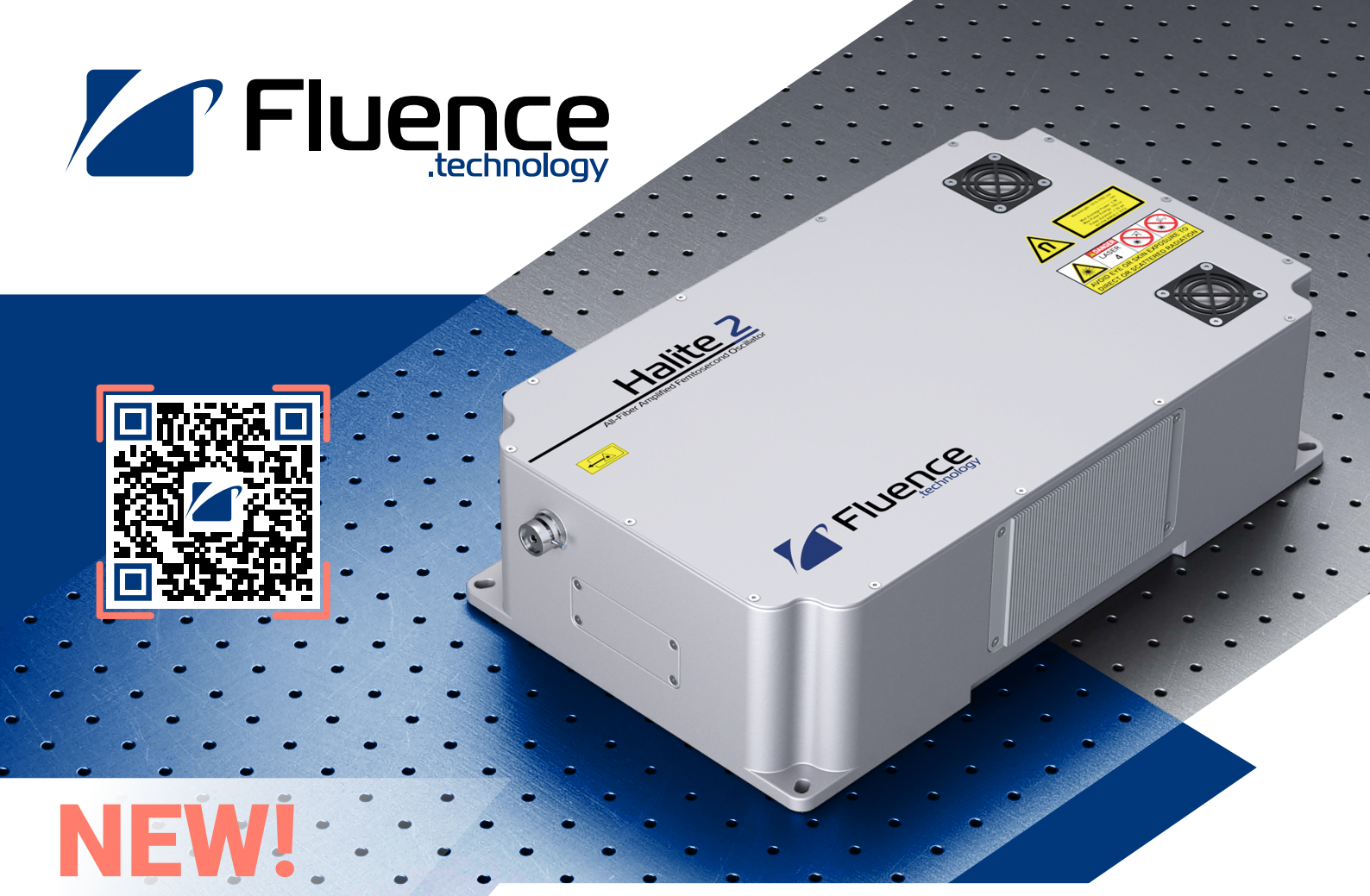
Fluence .technology



NEW!

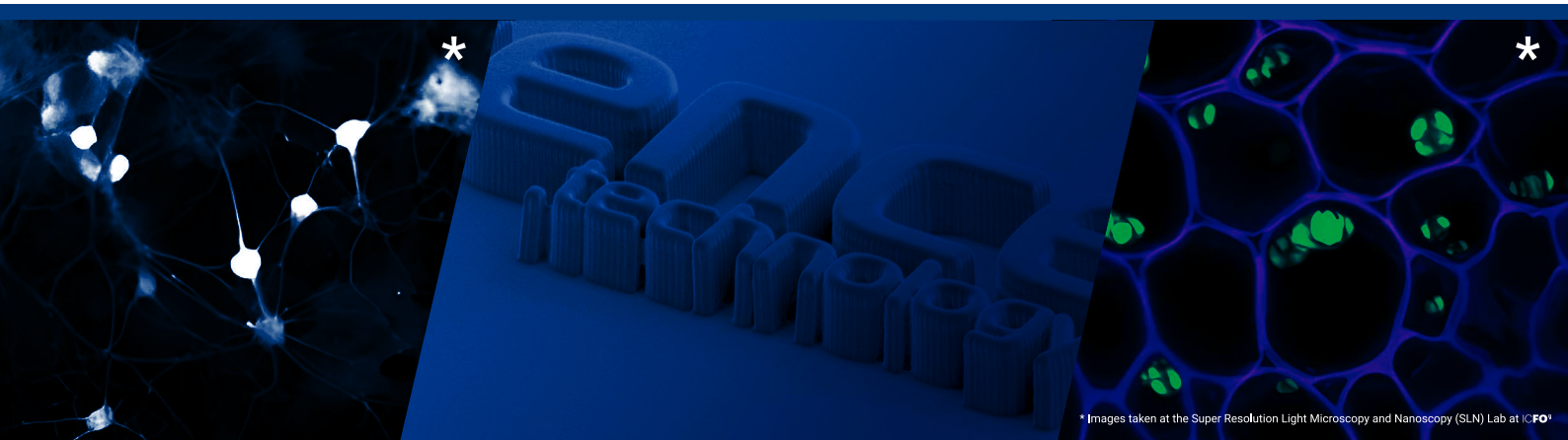
< 100 fs

Halite 2

All-Fiber Amplified Femtosecond Oscillator

Femtosecond fiber lasers
superior lifetime & performance

Halite 2 is a compact, single-box, all-fiber femtosecond laser, specifically designed to meet the most demanding applications in the field of neuroscience, biophotonics, microscopy, and engineering. With pulses as short as < 250 fs (< 100 fs optional), average power over 2 W at 1030 nm, and the option of second harmonic at 515 nm, it is an irreplaceable tool in every lab that needs a reliable, turn-key, ultrafast light source. Thanks to its unique construction and SESAM-free technology it is a cost-effective solution that provides high pulse energy (over 100 nJ) with an excellent beam quality. Halite's industrial design enables easy integration with both experimental and commercial systems.



* Images taken at the Super Resolution Light Microscopy and Nanoscopy (SLN) Lab at ICFO

Femtosecond fiber lasers
superior lifetime & performance

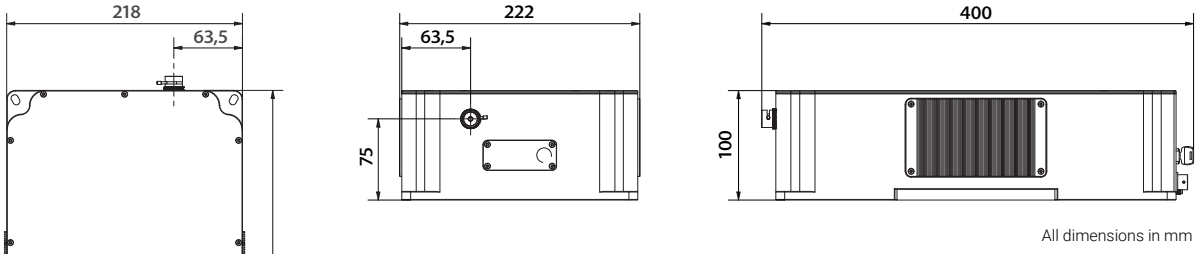
Technical specification:

	Halite 2	Halite 2 - SHG
Wavelength	1030 ± 5 nm	515 ± 2.5 nm
Maximum average power	> 2 W	> 500 mW
Maximum pulse energy	> 100 nJ	> 25 nJ
System base repetition rate	20 ± 2.5 MHz	20 ± 2.5 MHz
Pulse duration	< 250 fs FWHM (**< 100 fs** optional)	< 230 fs (< 200 fs typical)
Standard GDD precompensation	from -50 000 up to 10 000 fs², factory preset	fixed at 0 fs²
Computer-controlled motorized GDD precompensation tuning	Optional	GDD tuning not yet available
Laser control software	Included	Included

Not exactly what you are looking for?
Get in touch with us and let us help you out.

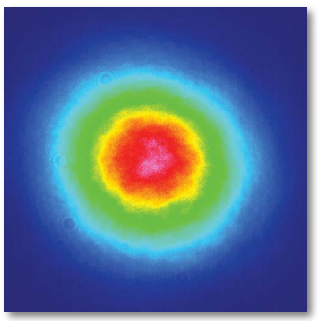
Physical specification:

Size	370 (L) x 222 (W) x 100 (H) mm³	370 (L) x 222 (W) x 100 (H) mm³
Weight	9 kg	9 kg
Electrical	100 - 240 VAC, 50 - 60 Hz, 80 W adapter power rating	100 - 240 VAC, 50 - 60 Hz, 80 W adapter power rating
Operating temperature	20 - 28 °C	20 - 28 °C
Operating humidity	Non-condensing	Non-condensing
Cooling	Air-cooled	Air-cooled

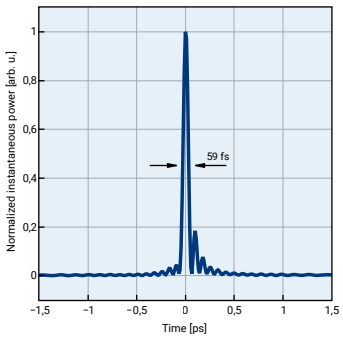


All dimensions in mm

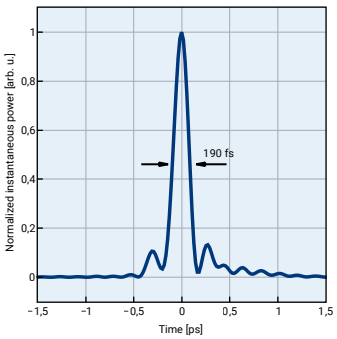
Typical beam profile



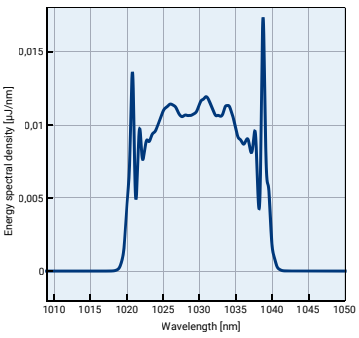
Typical temporal profile (Short Pulse option)



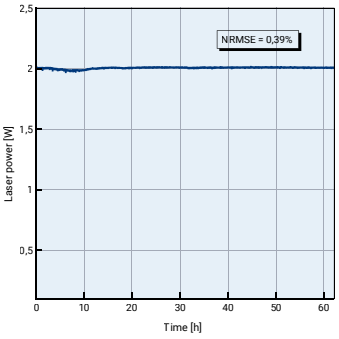
Typical temporal profile



Typical spectral profile



Typical power stability



All specifications are subject to change without prior notice due to continuous improvements.

Fluence sp. z o.o., ul. Kolejowa 5/7, 01-217 Warszawa, Poland
+48 22 1189 600 sales@fluence-tech.com https://fluence.technology