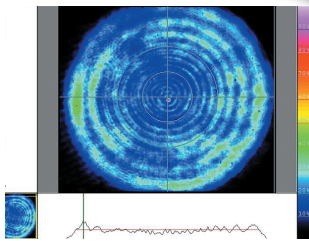


## Nd:YAG LASERS with Gaussian resonator LS-2132UTF, LS-2134UTF

**Compact Q-switched lasers with short pulse duration and built-in second, third, and fourth harmonics generators - ideal tool for various research applications like LIDAR, spectroscopy, LIF, LIBS, PLD and as a pump source for OPO, Cr:Forsterite and Ti:Sapphire tunable lasers.**

- The laser head design provides easy switchable output beams at 1064 nm, 532 nm, 355 nm and 266 nm without removing protective cover and additional alignment. Both PC-control and manual wavelength switching options are available.
- High stability and durability of output parameters is provided by special temperature control of nonlinear and Q-switched crystals as well as laser resonator special design.
- Enhanced high energy Third Harmonic (355 nm) and integrated Fifth Harmonic (213 nm) options are available by request.



Beam profile (1064 nm) in near field.

### SPECIFICATIONS<sup>1</sup>

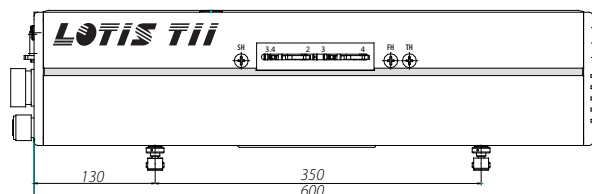
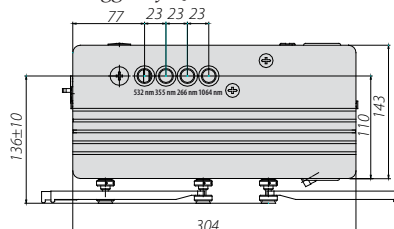
Model		LS-2132UTF	LS-2134UTF
Energy, mJ	1064 nm	170	260
	532 nm	110	170
	355 nm	40	60(80 <sup>2</sup> )
	266 nm	35	55
	213 nm	8 <sup>3</sup>	15 <sup>3</sup>
Pulse duration (FWHM), ns	1064 nm	5-6	7-8
	532 nm	4-5	6-7
	355 nm	4-5	5-7
	266 nm	4-5	5-6
Pulse repetition rate, Hz		15	15
Beam divergence, mrad (full angle for 86% of energy)		≤ 0.7	≤ 0.8
Beam diameter, mm		≤ 5.0	≤ 6.0
Jitter <sup>4</sup> , ns		±1.0	
Energy stability 1064 nm (rms), %		1.0	
Pointing stability, mrad		0.1	
Size LxWxH, mm (Weight, kg)	Laser Head	600x304x143 (18.0)	
	Power Supply	391x364x192 (16.5)	
	Cooling System	391x364x280(15.5)	
	Remote Control	130x180 (0.5)	
Power requirements		Single Phase, 220±20V, 50/60 Hz, 900VA	

<sup>1</sup> All specifications are subject to change without notice

<sup>2</sup> High energy TH option

<sup>3</sup> With external harmonics assembly

<sup>4</sup> With respect to external trigger of Q-switch



Overall sizes of above lasers