

# **Esus** Series

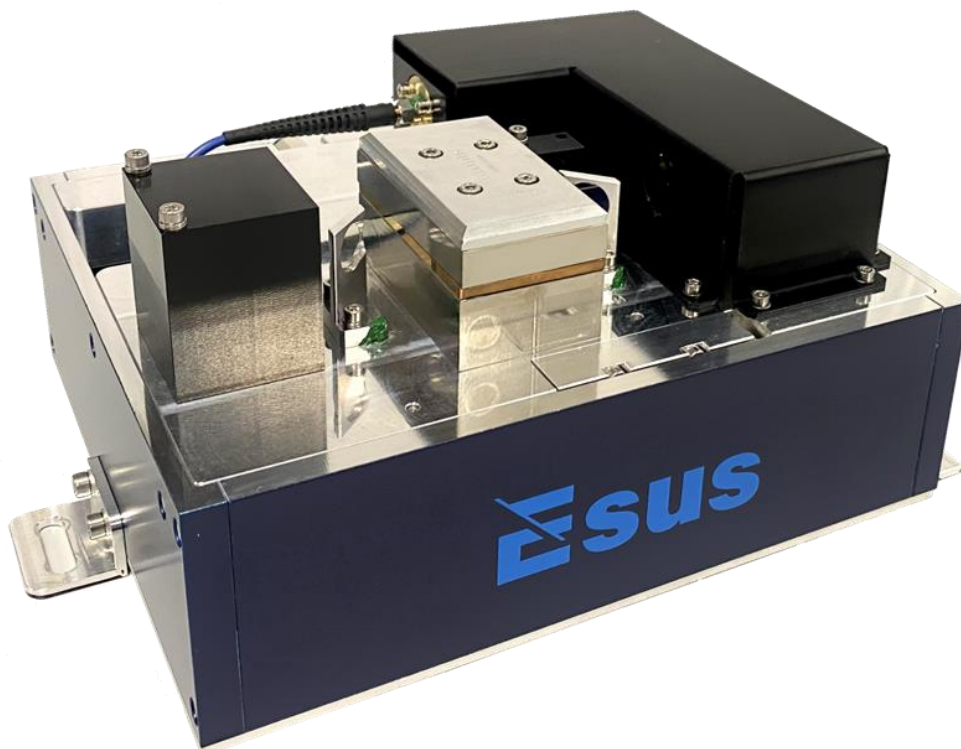
**High performing building block to boost your laser performances**

The compact Esus product provides high quality amplified beam up to 500W for a wide range of input seed power, in continuous or pulsed regime.

Esus Series are easy-to-integrate amplifiers, equipped with an optically pre-set 190W pump laser diode and unique TARANIS crystalline fiber proprietary technology.

TARANIS amplifier is based on our unique patented Single Crystal Fiber technology.

This unique architecture provides high pulse energy and flexible repetition rate as well as excellent reliability and unsurpassed beam quality, all in a compact packaging.



# Specifications

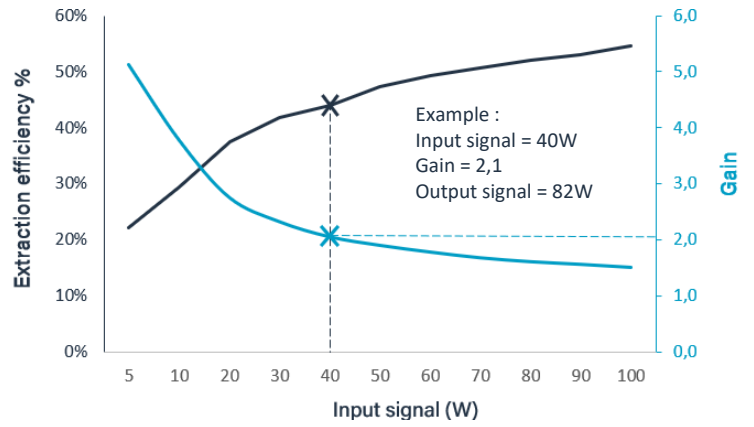
## Input

Regime	Continuous or pulsed
Wavelength	1030 ±2 nm
Power*	from 100mW to 500 W


\* Input coupling to be set accordingly

\*\* Continuous mode, pump 969nm – 110W – 100µm

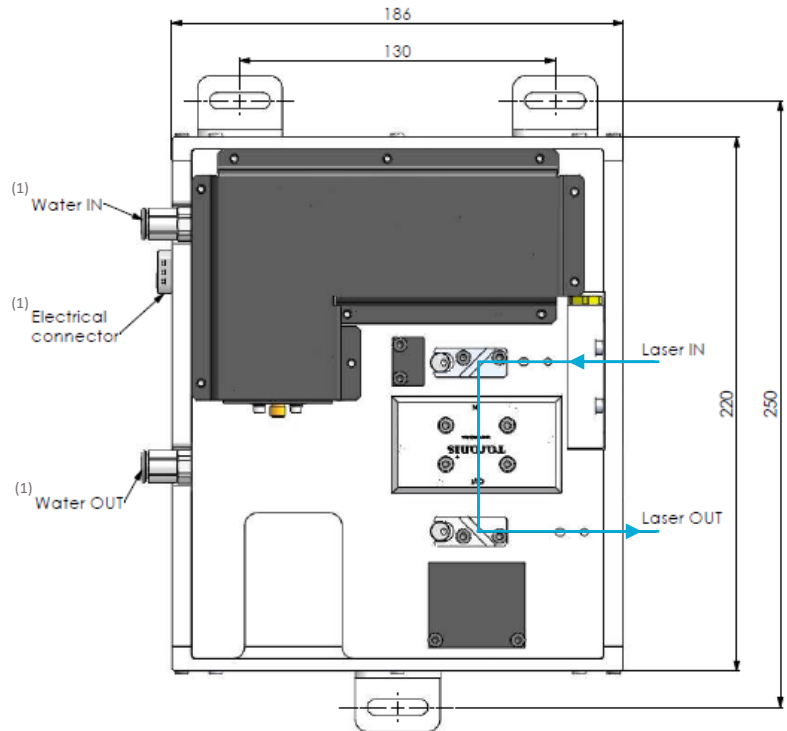
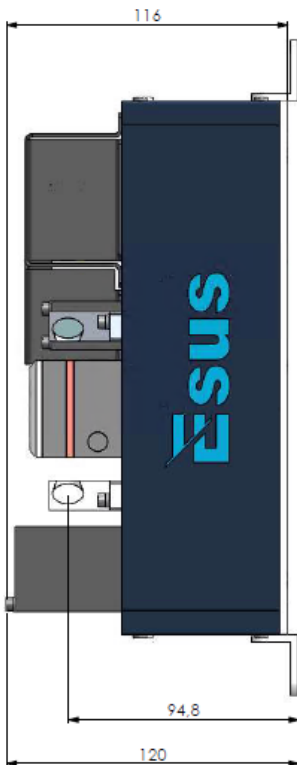
## Output (typical)\*\*



# Characteristics

Product Reference	GT00-PL0001-190
Damage Threshold	10J/cm <sup>2</sup> at 1ns pulse duration
Beam Height (Input & Output)	94.8mm
Achievable Ellipticity	> 0.95 

Operating Current	15A
Operating Voltage	30V
Pump power	190W



(1) Not included in ESUS product: cooling device and power supply unit for the pump diode

