

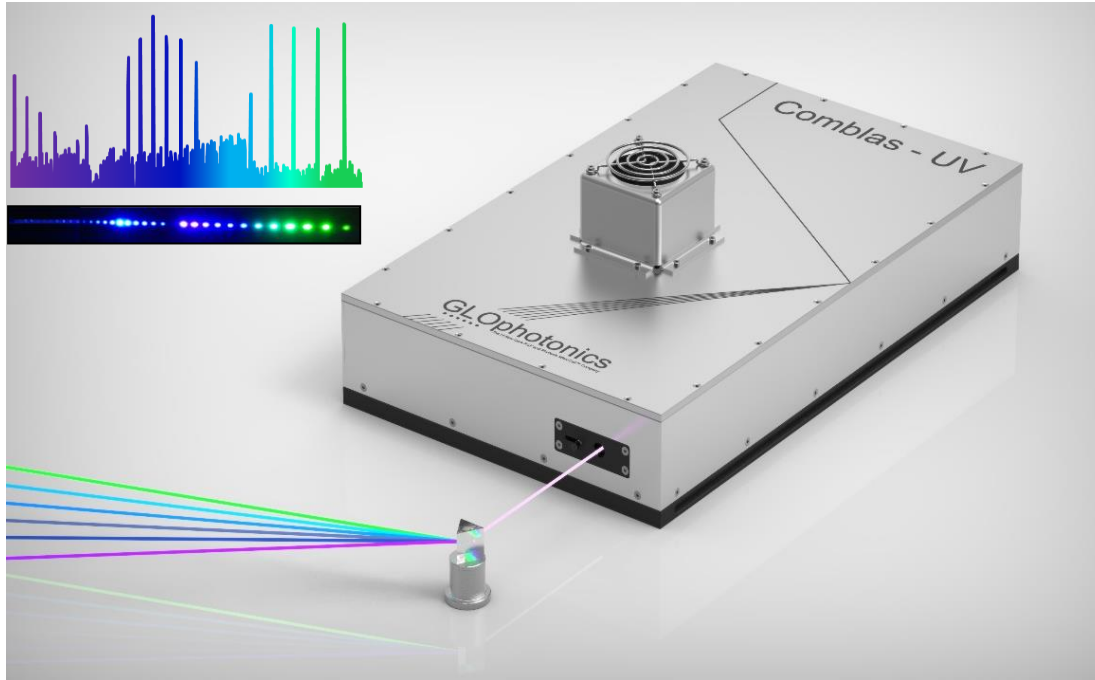


Frequency Conversion Unit

**GL**Ophotonics  
The Hollow-Core PCF & Photonic MicroCell™ company

# CombLas UV

*Multi-line laser for the applications in the UV spectral range*



***Your perfect high power spectral density solution  
for broadband source in UV***

*Up to 20 lasers in a single device*

*Broadband operation: 250-400 nm*

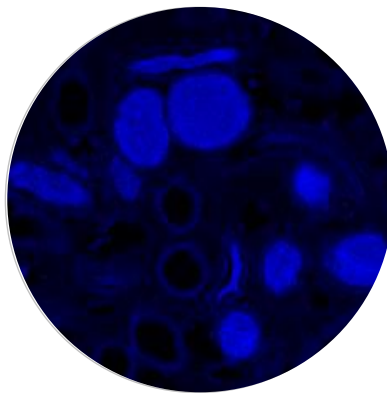
*High power spectral density*

*Output mode quality:  $M^2 < 1.2$*

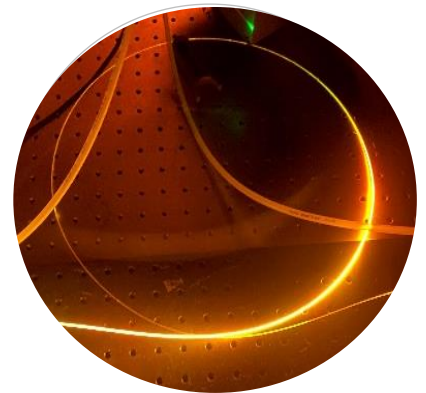
Photolithography & Marking



Biomedicine



Spectroscopy



## Optical Properties

Operating wavelength <sup>(1)</sup>	250-400 nm									
Total output power	16 mW									
Pulse repetition rate	1 kHz									
Power spectral density <sup>(2)</sup>	Wavelength (nm)	249	253	265	269	273	278	282	287	292
	PSD ( $\mu\text{W}/\text{nm}$ )	0.2	0.2	0.15	4.0	7.5	12.8	9.4	4.0	4.0
	Wavelength (nm)	298	303	309	315	320	327	333	340	347
	PSD ( $\mu\text{W}/\text{nm}$ )	4.00	20.0	50.0	300	53.0	105	210	405	700
	Wavelength (nm)	355	362	370	378	378	396			
	PSD ( $\mu\text{W}/\text{nm}$ )	7800	3800	680	590	585	600			

## Physical Properties

Operation voltage	100 – 240 VAC 50/60Hz
System cooling	Air Cooled
Operating temperature	18°C - 25°C
Laser head dimension	288*470*126 mm
Controller dimension	21*17*5 mm
Laser head weight	11 kg
Controller weight	1 kg

<sup>(1)</sup> Adjustable within the specified wavelength limits according to the customer's needs

<sup>(2)</sup> Adjustable according to the customer's needs

All specifications may be changed without notice