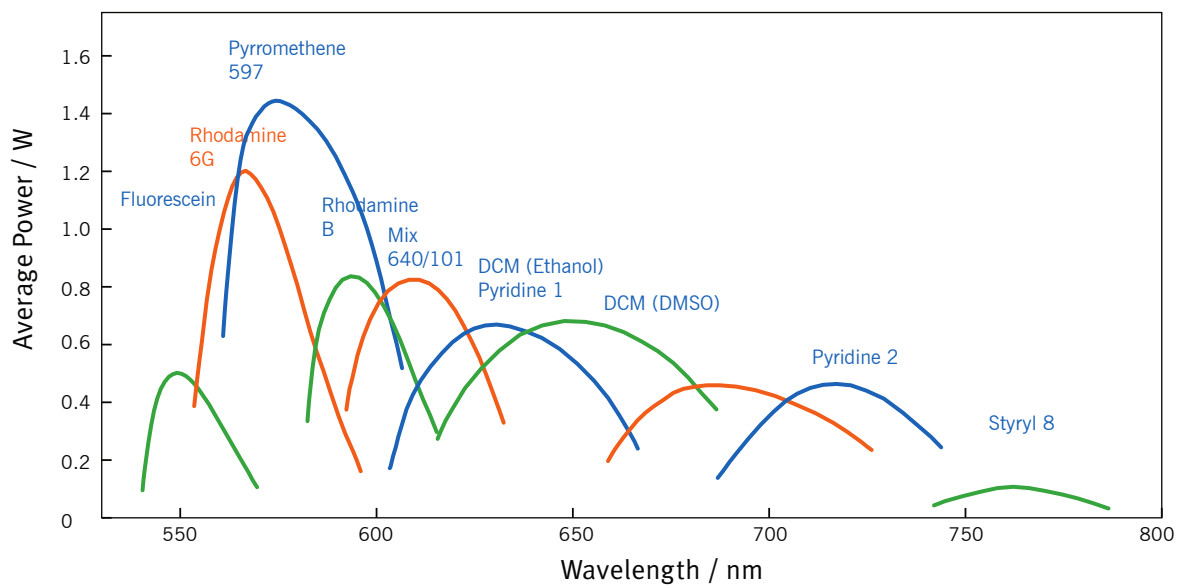


Linewidth Specifications

Dispersion Option	Tuning Range	Linewidth
Three Quartz Prisms	545 nm .. 900 nm	5 cm ⁻¹ @ 570 nm
1800 lines / mm, 90 mm	570 nm .. 900 nm	0.08 cm ⁻¹ @ 595 nm
2400 lines / mm, 90 mm	545 nm .. 750 nm	0.06 cm ⁻¹ @ 570 nm

Power Output



Wavelength and Beam Characteristics

Absolute Wavelength Accuracy	< 15 pm	(prism model: 0.5 nm)
Wavelength Resetability	< 2 pm	(prism model: 0.05 nm)
Wavelength Stability	< 1.5 pm / °C	(prism model: 10 pm / °C)
Divergence (typical)	1.0 mrad	
Beam Size (typical)	0.8 mm (horizontal) x 2 mm (vertical)	
Polarization	> 98 %	(vertical)
ASE	< 0.5 %	
Repetition Rate	10 kHz	
Pulse Duration	30 ns .. 35ns	(typical)

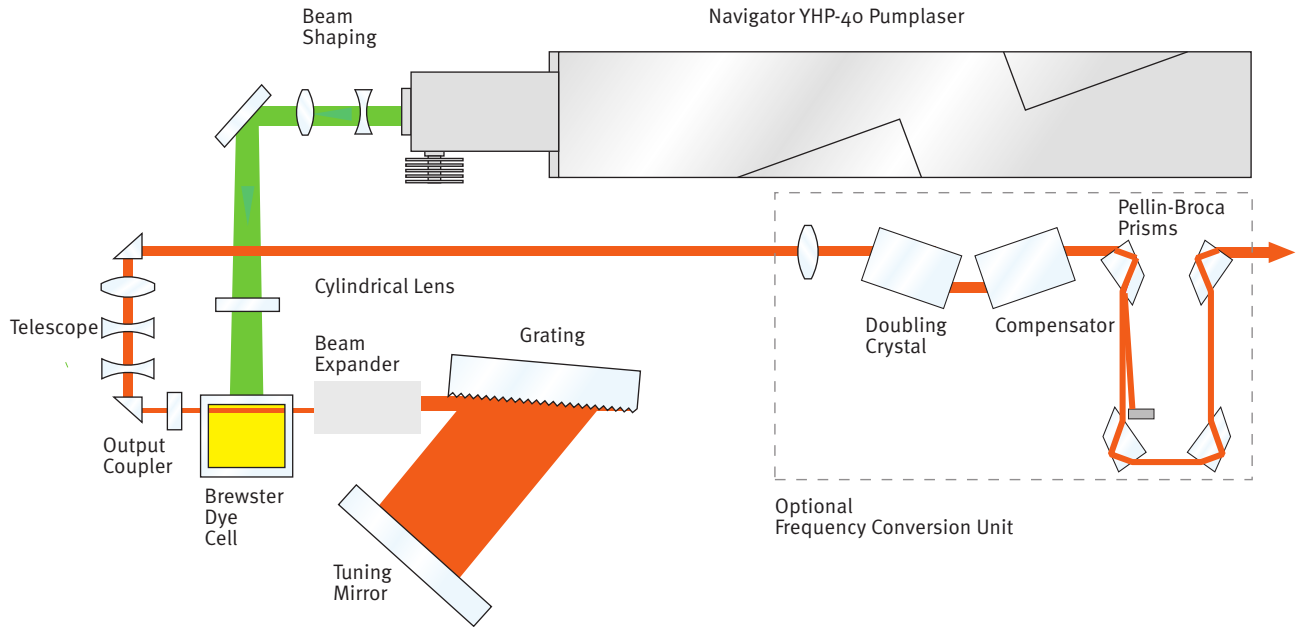
Requirements

Cooling for dye laser	300 Watt, resonator only
Laboratory	dust-free air (flow box)
Voltage (dye laser)	110 .. 230 V, single phase, 50 / 60 Hz
Computer Control	XP / Vista / Windows 7 / Windows 8 / Windows 10, USB Port

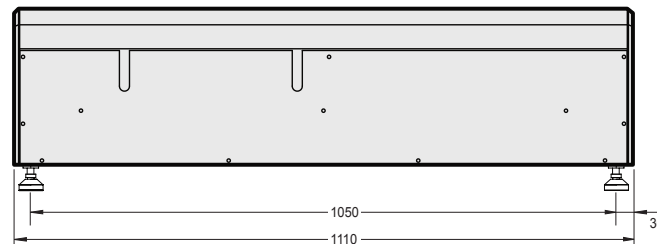
Options

Internal open loop frequency doubling

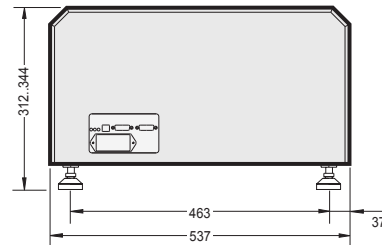
Optical Layout



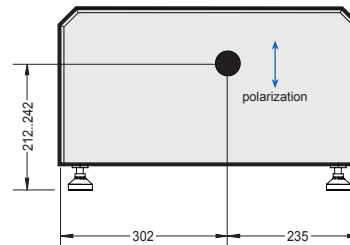
Dimensions



Credo YHP (side view)



Credo YHP



Credo YHP (dye laser output end)

All Dimensions in mm
Specifications are subject to change without notice



VISIBLE AND INVISIBLE
LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT

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