CONTINUOUS WAVE

CW visible rack fibre lasers

Visible CW light for instruments that need stable illumination and a well-defined beam.

Applications to discuss: Microscope excitation; Flow-cytometry illumination; Optical inspection.

Selection points
465-775 nm wavelength options / 200-5000 mW family power range / 20-100% power adjustment

Configuration options

Configuration	Wavelength options	Output power
Wavelength-selected system	465-775 nm	200-5000 mW; wavelength dependent

Each row is a separate configuration. Limits from different rows must not be combined.

Technical details

Parameter	Specification or condition
Power adjustment	20-100 %
Beam propagation factor	M^2 <1.1
Polarization extinction ratio	20 dB
Beam diameter	1 mm ±20%
Long-term wavelength stability	±0.1 nm
Intensity noise at nominal power	2% RMS, integrated over 5 Hz-100 kHz
Long-term power drift	2% peak-to-peak

Integration and delivery

Item	Configuration detail
Format	2U, 19-inch rack format with separate frequency-conversion head
Delivery	Free-space output; optional fibre coupling
Control	Graphical interface; modulation option requires configuration review

Conditions and configuration notes

- Output power depends on wavelength and configuration. A family maximum is not available at every wavelength.
- Confirm the delivered power after any fibre coupling, isolation or added optics.
- Power adjustment is an intensity setting; it is not wavelength tuning. The drift averaging time is not stated.