

compact.

Four colors in one box



iChrome CLE

Compact and efficient four-color laser engine

- 405, 488, 561, 640 nm with up to 80 mW
- Best image contrast and lifetime by AOM/AOTF-free all diode design
- COOL^{AC} automatic alignment, never again waste time for alignment
- Complete off on all wavelengths

learn more



www.toptica.com/compact

iChrome CLE



DANGER – AVOID EXPOSING EYES AND SKIN TO THE LASER BEAM, INCLUDING ANY STRAY LASER LIGHT. CLASS 3B LASER PRODUCT, EN 60825-1:2014

Specifications					
Wavelength		405 nm	488 nm	561 nm	640 nm
Center wavelength range		± 4 nm	± 4 nm	± 2 nm	+3 / -5 nm
Fiber coupled cw output power	CLE	20 mW	20 mW	20 mW	20 mW
	CLE-30	40 mW	40 mW	20 mW	50 mW
	CLE-50	50 mW	50 mW	50 mW	50 mW
	CLE-80	50 mW	80 mW	50 mW	80 mW
Power stability		± 2 % (drift over 8h @ room temperature ± 3 °C)			
RMS noise (10 Hz - 10 MHz)		< 0.5 %	< 0.5 %	< 1 %	< 0.5 %
M ²		< 1.1			
Ellipticity		< 10 %			
Polarization ratio (typ.)		> 100:1, linear			
Fiber specifications					
Fiber output connector		FC/AFC (8° angled) as standard, others like FC/PC, FC/APC, FCP8 or SC on request			
Fiber cable length (max.)		2 m			
Fiber cable type		3 mm stainless steel reinforced			
Fiber type		Single-mode, polarization maintaining			
Fiber numerical aperture (5%) (typ.)		0.080	0.076	0.071	0.066
General specifications					
Operating ambient temperature range		15 .. 35 °C			
Dimensions laser head (H x W x L)		CLE, CLE-30: 110 x 205 x 250 mm ³			
		CLE-50, CLE-80: 137 x 205 x 250 mm ³			

