

compact.

Four colors in one box



iChrome CLE

Compact and efficient four-color laser engine

- 405, 488, 561, 640 nm with > 20/50 mW each
- 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 and iChrome CLE-50



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	20 mW / 50 mW	20 mW / 50 mW	20 mW / 50 mW	20 mW / 50 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	110 x 205 x 250 mm ³ / 137 x 205 x 250 mm ³ (L x W x H)			

