

Coherence matters.

HIGH PERFORMANCE LASERS



C-WAVE Tunable laser



Cobolt Lasers



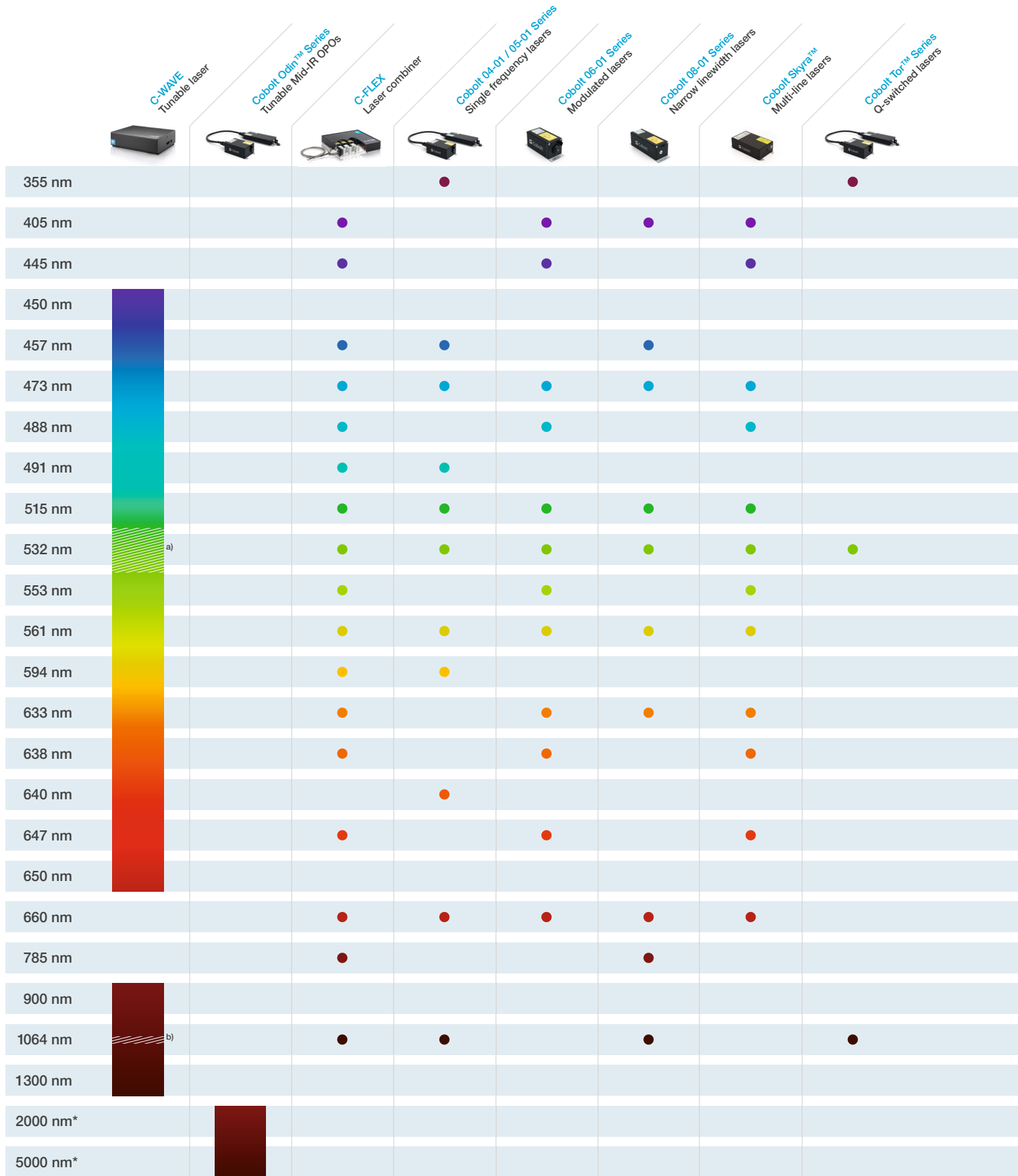
C-FLEX Laser combiner

HÜBNER Photonics

hubner-photonics.com | coboltlasers.com

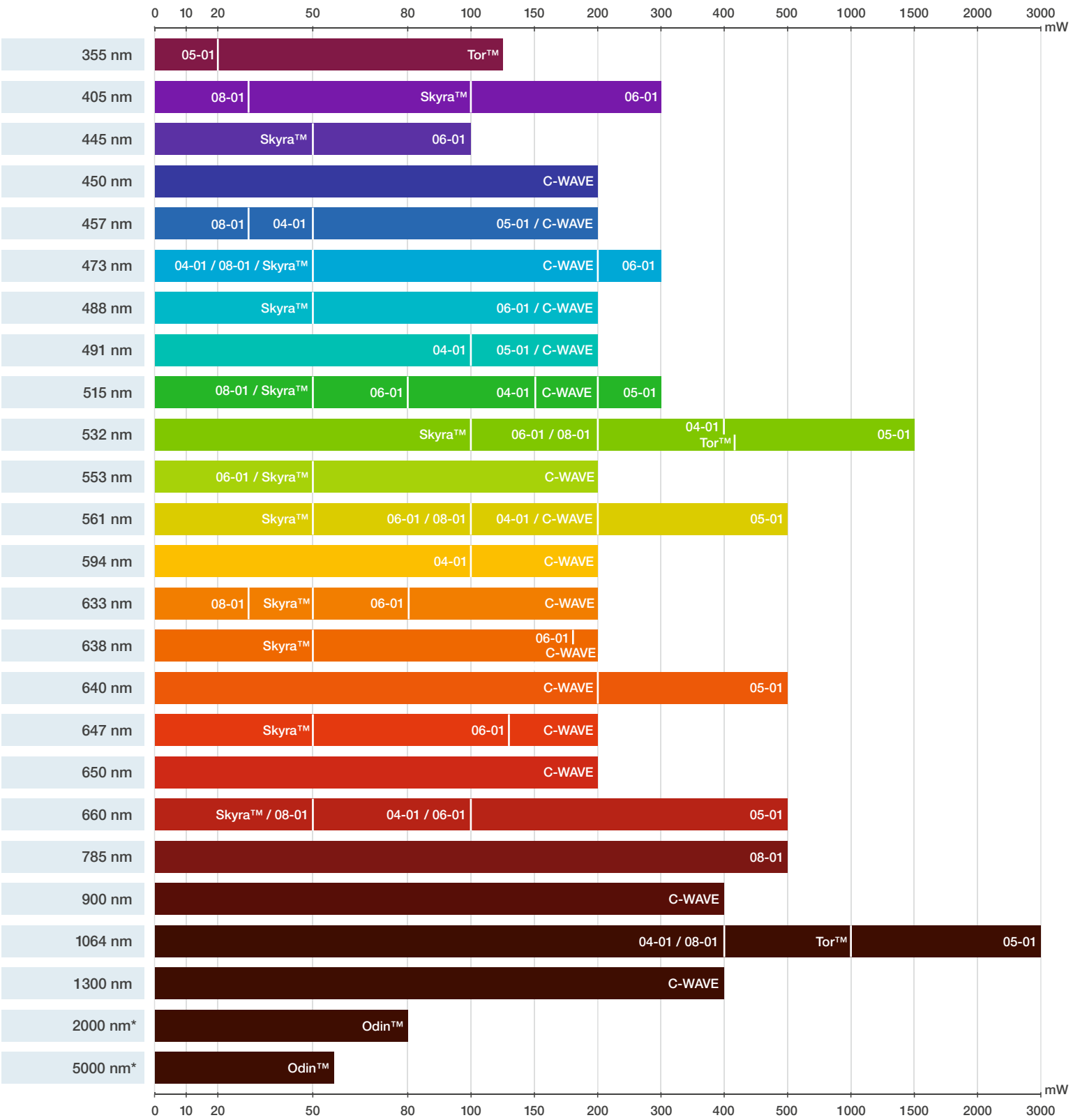


Our laser technology products – A wide array of light sources



^{a)} Not specified at 525 - 540 (±2) nm; range depending on selected wavelength modules.
^{b)} Not specified at 1050 - 1080 (±4) nm; range depending on selected wavelength modules.

* Center wavelength selectable between 2-5um, tunable 50nm.
 ** C-WAVE typical powers may be >200 mW

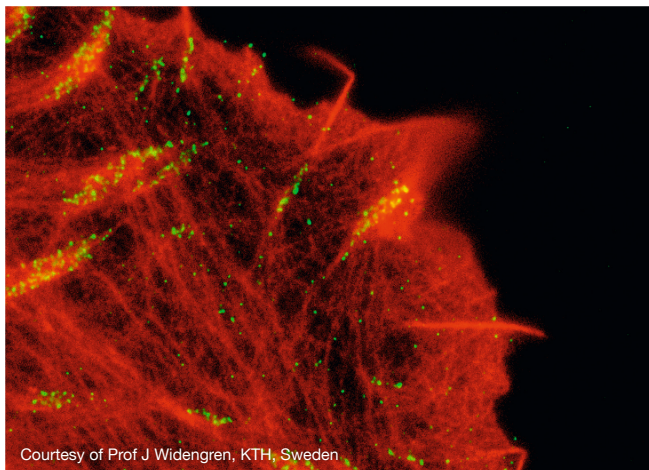


Applications

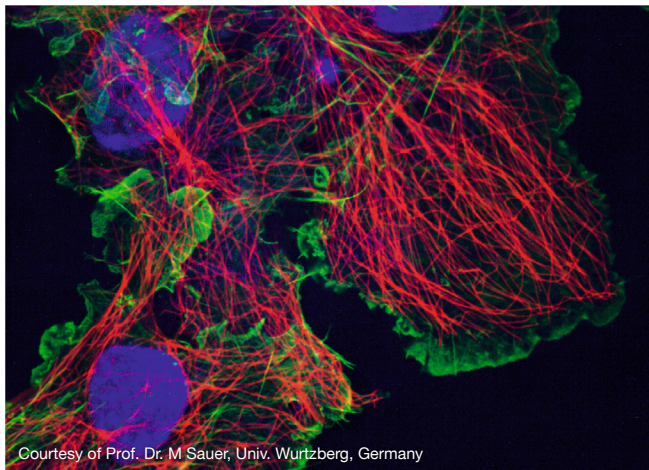
Lasers for Life Science

Significant applications in life science requiring CW lasers in the visible include fluorescence microscopy, flow cytometry and DNA sequencing. In all of these applications the fluorescence of specific fluorophores or biomarkers is detected, counted or imaged, leading to a deeper understanding of biochemistry.

With the lasers produced by Cobolt, HÜBNER Photonics can provide a broad portfolio of high-performance lasers for fluorescence microscopy applications. Not only do these lasers feature a standard integrated clean-up filter, at >70 dB they have one of the best modulation-extinction ratios in the industry. For greater convenience and ease of use, the individual lasers can be combined using the C-FLEX laser combiner.

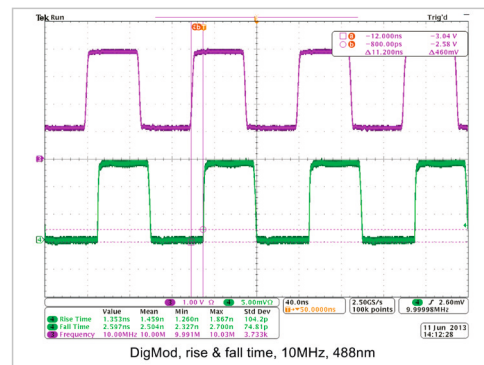


Courtesy of Prof. J Widengren, KTH, Sweden



Courtesy of Prof. Dr. M Sauer, Univ. Wurtzberg, Germany

- Cobolt – Modulated lasers
- Cobolt Skyra™ – Multi-line laser
- C-FLEX – Laser combiner



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