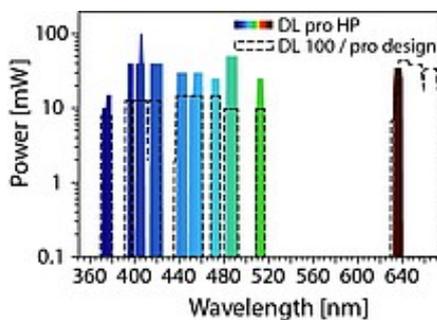




DL pro HP – visible tunable cw diode lasers with up to 100 mW.



Thanks to its new resonator design, the DL pro HP provides higher output powers than DL 100 and DL 100 / pro design (dashed line).

Oct 24, 2012
Product news

Tune Up Visible Power

Higher-power tunable diode lasers from 370 to 640 nm

TOPTICA Photonics introduces the new DL pro HP, a tunable diode laser with higher output powers in the “visible” spectral region. A special resonator design (patented) allows for single-frequency output powers of up to 100 mW!

With a 1 - 6 nm coarse tuning range and a mode-hop free tuning of 20 - 50 GHz, the DL pro HP is an ideal source for laser cooling, spectroscopy, ionization, and quantum manipulation of numerous atoms and ions. Available wavelengths range from 370 nm to

640 nm. At 632.8 nm the DL pro HP is a tunable alternative to HeNe lasers providing even higher output powers on diode technology.

With the DL 100 and the DL 100 / pro design TOPTICA has been successfully establishing tunable and single-frequency diode lasers in the blue and violet spectral region since 1999. The DL pro HP now further expands this product spectrum with a laser that outperforms both in terms of power while providing a large tuning range and a linewidth of 1 – 2 MHz. The laser features an integrated isolator. Fiber coupling and stabilization electronics are optionally available.

Please contact TOPTICA Photonics for the ideal configuration for your specific needs and further details.

Key Features

- 30 - 100 mW single-frequency, tunable output
- Standard wavelengths 401 - 409 nm, 420 - 424 nm, and 632 - 638 nm
- Other wavelengths (370 .. 640 nm) on request
- Stable against temperature changes & acoustics, low drift
- Linewidth < 2 MHz

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