



## LDI

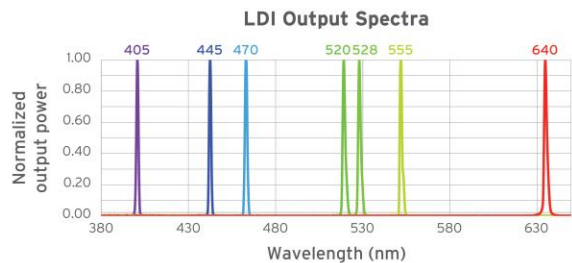
### HIGH-PERFORMANCE LASER DIODE ILLUMINATOR

The LDI is a multiline, solid-state laser illuminator offering up to 1000mW of output power via a multimode fiber at the price of a low power LED light engine. With feedback controlled output stability and up to a 100:1 linear dynamic range, the LDI is the ideal light source for a wide range of applications including spinning disk confocal microscopy, structured illumination microscopy, FRAP, photoactivation/photoconversion, and PALM/STORM.

The LDI offers the highest price to performance ratio of any laser source available on the market today.

#### LASER LINES AVAILABLE

Laser Line (nm)	Power (mW)
	<i>Out of fiber (400 <math>\mu</math>m 0.22 NA)</i>
405	300
445	1000
470	1000
520	500
528	500
555	1000
640	450



#### FEATURES AND BENEFITS

High output power	Shorter exposures Faster imaging Faster activation times in optogenetics and photoactivation experiments Faster bleaching times in FRAP experiments
Feedback controlled optical stability	Quantitative imaging, ideally suited for ratiometric imaging More repeatable optogenetics experiments
Up to 100:1 linear dynamic range	Ability to turn power down when needed and maintain stability and quantitative imaging
Up to 7 lines	Covers most of the standard fluorescence probes
No user alignment	Easy to use and maintain