89 NORTH®

Light re-engineered

LDI

High-Performance Laser Diode Illuminators

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.

APPLICATIONS

- Spinning Disk Confocal Microscopy with Crest X-Light V2
- Super Resolution SIM Imaging with Crest VCS or Live SR
- PALM/STORM
- Optogenetics with DLPs or Multiport Illuminator
- Photoactivation/Photoconversion/FRAP with RAPP GEO
- FRAP with SLM or Multiport Illuminator

We now offer a full range of LDI products, including laser lines at 488, 577 and into the NIR

	405nm	445nm	470nm	488nm	520nm	528nm	INTERCHANGEABLE 555nm	INTERCHANGEABLE 577nm	640nm	730nm
LDI-7	300mW	1000mW	1000mW		500mW	500mW	1000mW	800mW	450mW	
LDI-6	300mW	1000mW	1000mW		500mW	500mW			450mW	
LDI-NIR	500mW	1000mW	1000mW		500mW		1000mW	800mW	900mW	850mW
LDI-7-488	300mW	1000mW		1000mW	500mW	500mW	1000mW	800mW	450mW	
LDI-PRIME	300mW			1000mW			1000mW	800mW	450mW	

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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

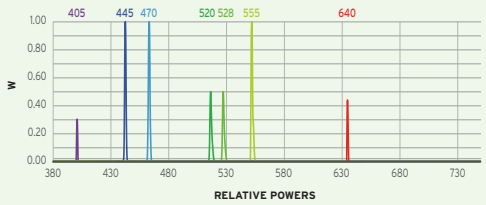
- Quantitative imaging, ideally suited for ratiometric imaging
- More repeatable optogenetics experiments

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

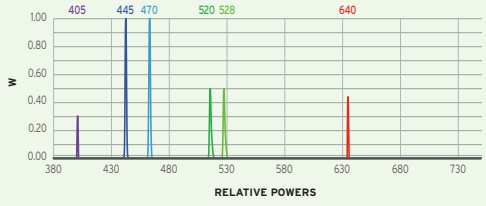
DANGER - LASER RADIATION. AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION. CLASS 4 LASER PRODUCT

LDI-7



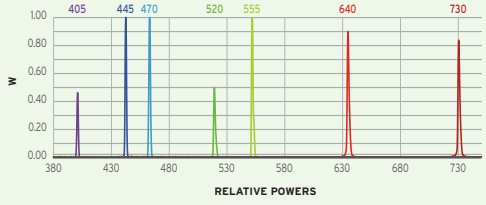
LASER LINE	CWL RANGE	OPTICAL POWER
405nm	398-406	300mW
445nm	440-446	1000mW
470nm	465-470	1000mW
520nm	520-522	500mW
528nm	527-528	500mW
555nm	553-555	1000mW
640nm	632-643	450mW

LDI-6



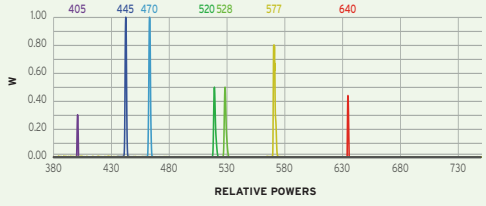
LASER LINE	CWL RANGE	OPTICAL POWER
405nm	398-406	300mW
445nm	440-446	1000mW
470nm	465-470	1000mW
520nm	520-522	500mW
528nm	527-528	500mW
640nm	632-643	450mW

LDI-NIR



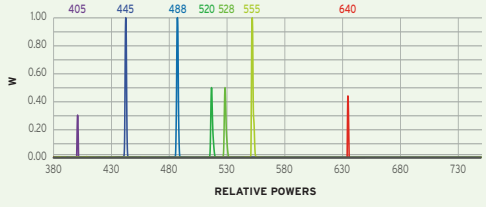
LASER LINE	CWL RANGE	OPTICAL POWER
405nm	398-406	500mW
445nm	440-446	1000mW
470nm	465-470	1000mW
520nm	520-522	500mW
555nm	553-555	1000mW
640nm	632-643	900mW
730nm	723-737	850mW

LDI-7-577



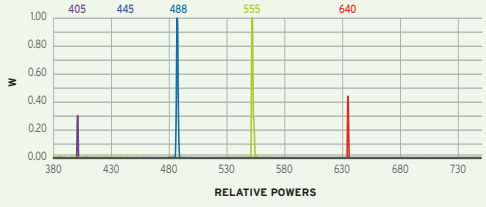
LASER LINE	CWL RANGE	OPTICAL POWER
405nm	398-406	300mW
445nm	440-446	1000mW
470nm	465-470	1000mW
520nm	520-522	500mW
528nm	527-528	500mW
577nm	575-579	800mW
640nm	632-643	450mW

LDI-7-488



LASER LINE	CWL RANGE	OPTICAL POWER
405nm	398-406	300mW
445nm	440-446	1000mW
488nm	483-493	1000mW
520nm	520-522	500mW
528nm	527-528	500mW
555nm	553-555	1000mW
640nm	632-643	450mW

LDI-PRIME



LASER LINE	CWL RANGE	OPTICAL POWER
405nm	398-406	300mW
488nm	483-493	1000mW
555nm	553-555	1000mW
640nm	632-643	450mW

89 NORTH®

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