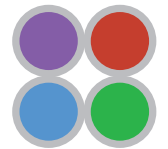


MIRA light engine®

SOLID STATE ILLUMINATION FOR CLINICAL MICROSCOPY



lumencor®



Stable, Multicolor Excitation for Routine, Clinical Microscopy

Maintenance-free performance in a multicolor light engine

MIRA light engine is Lumencor's high performance, bright, solid state illumination subsystem designed for routine, clinical fluorescence applications. MIRA houses multiple independent light sources and with no fan needed for cooling, it produces no vibrations. It directly couples to all major manufacturer's clinical microscopes and is completely maintenance free.

The MIRA light engine features discrete, spectrally stable and powerful outputs. Optical outputs are tuned to efficiently excite DAPI, FITC, TRITC, Cy5 and other like fluors. MIRA light engine integrates multiple solid state sources including Lumencor's proprietary bright green and yellow light. The violet, cyan, green and red light is bright enough to excite all the clinically relevant fluorophors.

MIRA optical outputs are controlled with two manual knobs or an optional remote control accessory. Each color can be turned on/off independently or alternatively, used together to generate a single white light output. Additionally,

each channel has independent optical power control. The light engine output may be optimized for the excitation of multiple fluorescent targets. A BNC for TTL trigger of white or any individual color output enables automated operation.

MIRA delivers illumination tailored to the requirements of routine, clinical microscope applications in a clean, compact, maintenance-free package. MIRA's well designed cooling requires no fan. With no moving parts, MIRA does not translate vibrations through the microscope. Like all Lumencor's products, MIRA is mercury-free.

For more information on the MIRA light engine please contact us at Lumencor, Inc. at info@lumencor.com.

FLUORESCENCE EXCITATION LIGHT



Most clinically relevant excitation light for routine laboratory needs

Features	Details
Sources	Excitation for DAPI, FITC, TRITC and Cy5 or white light
Wavelength Range	380-650 nm
Power	~ 400 mW white light
Speed	On/off rate > 100 Hz
Light Delivery	Direct mount to epi-fluorescence lamp port of major clinical microscopes
Easy to Install	Pre-aligned, simple to mount, no maintenance
Lifetime	> 20,000 hours with more than 70% initial, maximum intensity
Control	TTL on/off trigger of white or any individual color band
Control Interface	Manual knobs for on/off, color and neutral density selection, TTL via BNC Optional remote control
Power Requirements	40 W, 24 VDC, 1.7 A
Weight, Dimensions (W x L x H)	~ 2 kg, 9.0 x 10. x 13 cm ³
Warranty	12 months (parts and labor) to end user
Package Contents	MIRA light engine, power supply and cord



GET IN TOUCH

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