

## Lumen 100 LED Illuminator for Fluorescence Microscopy

The Lumen 100 LED illuminator provides advanced, high quality illumination for a wide range of fluorescence microscopy applications, adaptors are available to connect the L100 to a wide range of microscopes, upright and inverted.

- A range of LEDs covering wavelengths throughout the visible spectrum are available, suitable for the majority of fluorophores used in fluorescence applications. A combiner is available if two LEDs need to be used simultaneously.
- Unlike traditional methods of illumination, mercury use, bulb replacement and bulb alignment are no longer required for imaging. LEDs may be switched on and off instantly, without the need for a warming up or cooling down period.
- Vibration-free and minimal heat production; allowing more accurate capture of data.
- Precise control of illumination available in 1% increments.
- Additional LED units can be purchased without the control unit and all LED units are interchangeable with the control unit.
- Direct coupling to microscope for maximum light efficiency.
- Excitation filters can be added to LEDs to optimise the bandwidth for your specific application.



## Lumen 100

LED Illuminator for Fluorescence Microscopy

### Ordering your product

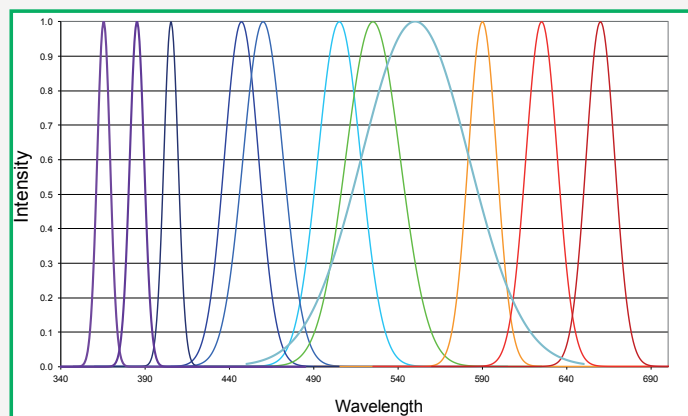
When ordering your system, please specify the LED controller (L100), the wavelength required and the microscope type. The 'L100 590 NI' configuration contains a L100 control unit, a LED unit emitting at 590 nm, and an adapter to fit the LED to a Nikon microscope.

### Products available

Product	Description
L100	Control Unit
LEDS 365	LED Unit emitting at 365nm
LEDS 385	LED Unit emitting at 385nm
LEDS 405	LED Unit emitting at 405nm
LEDS 447	LED Unit emitting at 447nm
LEDS 460	LED Unit emitting at 460nm
LEDS 505	LED Unit emitting at 505nm
LEDS 525	LED Unit emitting at 525 nm
LEDS 550	LED Unit emitting at 550 nm
LEDS 590	LED Unit emitting at 590 nm
LEDS 625	LED Unit emitting at 625nm
LEDS 660	LED Unit emitting at 660nm
LEDS WHT	LED Unit emitting white light
OL	Adapter for Olympus Microscopes
ZS	Adapter for Zeiss Microscopes
LC	Adapter for Leica Microscopes
NI	Adapter for Nikon Microscope
LDS 200	Combiner allowing 2 LEDs to be used simultaneously
LDD 410	Long bandpass dichroic filter at 410nm
LDD 495	Long bandpass dichroic filter at 495nm
LDD 552	Long bandpass dichroic filter at 552nm
LDD 593	Long bandpass dichroic filter at 593nm

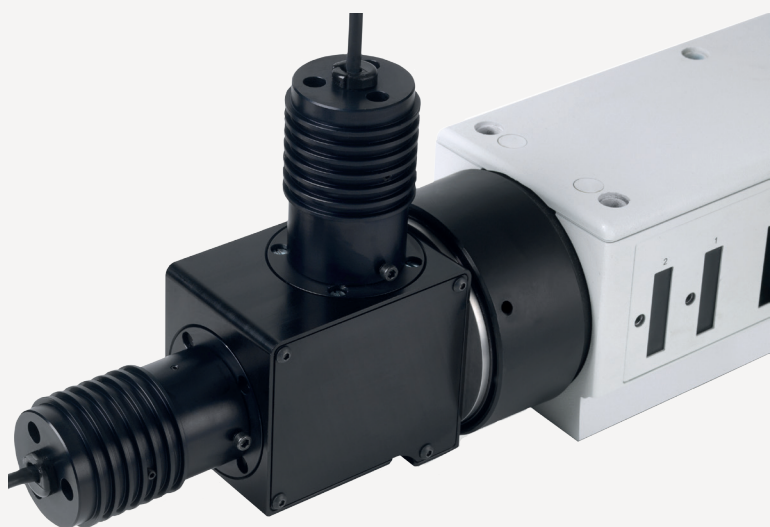
Please note that if these devices are to be sold or exported into North America (USA and Canada) they should be purchased only from Prior Inc (USA).

### Spectrum



12 different LEDs are available. The 11 LEDs above each provide a narrow spectrum of light. A white light LED is available, giving a broad spectrum of light.

By using the combiner and a dichroic filter (shown below) two Lumen 100 systems (controller and LED unit) can be combined to allow both LED units to be used simultaneously; when multiple wavelengths are required.



### Worldwide distribution

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