

## 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

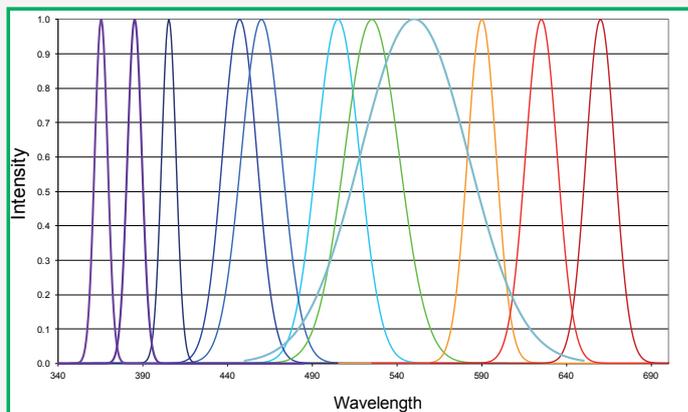
When ordering your system, please specify the LED controller (L100), the wavelength required and the microscope type. The 'L100 590 NI' configuration contains a L100 control unit, a LED unit emitting at 590 nm, and an adapter to fit the LED to a Nikon microscope.

### 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.

