



10,000 HOUR EXPECTED LIFETIME

LOW LIGHT LOSS THROUGHOUT BULB LIFE

NO HIGH-VOLTAGE PULSE

VERY STABLE OUTPUT

BUILT-IN DRIVER FOR FILTERWHEEL AND  
**SmartShutter™**

COMPACT STAND-ALONE DESIGN

USB INTERFACE



(shown with optional liquid light guide)

## LAMBDA XL EXTENDED LIFE LIGHT SOURCE

The newest member of our optical product family, the **Lambda XL**, is a broad spectrum, highly stable light source ( $\pm 1\%$  fluctuations). The output at the end of the light guide is similar to that of our popular 300W **Lambda LS** xenon arc light source. The lamp module is expected to last in excess of 10,000 hours and maintain at least 50% of the original intensity at 10,000 hours.

The compact, stand-alone cabinet design contains the bulb, lamp housing, power supply and optics in a single enclosure. The new design includes a filter wheel and **SmartShutter™** driver, making it a versatile choice for fluorescence imaging applications. The Sutter filter wheel with **SmartShutter** or the stand-alone **Smart-Shutter** can be accommodated within the body of the **Lambda XL**.

The light intensity can be adjusted to different levels of attenuation. When the optional filter wheel is used, each filter position can be associated with its own, programmable, attenuation level, selected every time the filter is called.\*

The connection to the microscope is made through a liquid light guide, which assures output uniformity in the field of view. Two light guide options are available, one optimized for the near UV-visible and the other for the visible-near IR regions.

Mounting adapters for Nikon, Olympus, Zeiss and Leica microscopes are available.

\*Patent pending

### LB-XL

Includes the **Lambda XL** light source, power cord and manual

### ACCESSORIES

#### LLG/XL<sup>1</sup>

Liquid light guide, lens, and lens tube (2 meters, 3mm diameter)

#### LLG/5XL<sup>1</sup>

Liquid light guide, lens, and lens tube, (2 meters, 5mm diameter)

#### LLG/380XL<sup>2</sup>

Liquid light guide, lens, and lens tube, (2 meters, 3mm diameter)

#### LLG/5XL380<sup>2</sup>

Liquid light guide, lens, and lens tube, (2 meters, 5mm diameter)

#### IQ25-XL

25mm **SmartShutter™** with housing to fit **Lambda XL**

#### LB10-NWIQ/XL

10 position 25mm filter wheel with **SmartShutter™** for mounting in **Lambda XL**

<sup>1</sup> This light guide offers a larger field of view with less intensity per unit area.

<sup>2</sup> Allows higher output into the near IR.

SUTTER INSTRUMENT

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