

Lambda LS
EXTENDED LIFE LIGHT SOURCE

SUTTER INSTRUMENT



Sutter Instrument introduces the **Lambda XL**, a stable, broad spectrum, highly stable light source (1% peak-to-peak fluctuations).

The connection to the microscope is made through a 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.

The output at the end of the light guide is similar to that of Sutter's popular 300W Lambda LS xenon arc light source. The lamp module is expected to last more than 10,000 hrs and maintain at least 50% of the original intensity.

The compact, stand-alone cabinet design contains the bulb, lamp housing, power supply, and optics in a single enclosure. The new design includes also a filter wheel and *SmartShutter*TM driver, making it a versatile choice for fluorescence imaging applications. The Sutter filter wheel with *SmartShutter*TM or the stand alone *SmartShutter*TM 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 positions can be associated with its own programmable attenuation level, selected every time the filter is called*.

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

**Patent pending*

Features

- 10,000 hour expected lifetime (Bulb carries a warranty for 10,000 hours)
- No high-voltage pulse
- Very stable output
- Built-in driver for filterwheel and *SmartShutter*TM
- Compact stand-alone design
- USB interface

Specifications

| | |
|---------------------------|---------------------------|
| Output Range | 330 to 700 nm |
| Lamp expected Life | 10,000 hours |
| Dimensions | 23,9 cm x 19,3 cm x 32 cm |
| Electrical | 115/230 V ; 50/60 Hz |

Ordering information

Basic System

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

Accessories

LLG/XL Liquid light guide, lens, and lens tube (2 meters, 3mm dia.)

LLG/5XL¹ Liquid light guide, lens, and lens tube (2 meters, 5mm dia.)

LLG/XL380² Liquid light guide, lens, and lens tube (2 meters, 3mm dia.)

IQ25-XL 25mm *SmartShutter* with housing to fit **Lambda XL**

LB10-NWIQ/XL 10 positions 25mm filter wheel with *SmartShutter*TM for mounting in **Lambda XL**

LB10-WHS4IQ/XL 4 positions 25mm filter wheel with *SmartShutter*TM for mounting in **Lambda XL**

¹ This lightguide offers a larger field of view but less intensity per unit area.

² Allows higher output into the near IR.

Mounting adapters for Nikon, Zeiss, Leica and Olympus microscopes are available (ordered separately).