



XENON LAMPS PROVIDE LIGHT LEVELS WHICH EXCEED THOSE OF STANDARD MICROSCOPE FLUORESCENCE LAMPS

EQUIPPED WITH A COLD MIRROR TO ELIMINATE IR HEATING OF DOWNSTREAM OPTICAL COMPONENTS

COMPACT STAND-ALONE LAMP HOUSING/POWER SUPPLY ENCLOSURE

PRE-ALIGNED BULB ELIMINATES COMMON FOCUSING PROBLEMS

EASILY ACCOMMODATES SUTTER INSTRUMENT FILTER WHEELS AND SMARTSHUTTER® WITHIN THE BODY OF THE LAMP

CAN BE COUPLED VIA A LIQUID LIGHT GUIDE TO MANY STANDARD MICROSCOPES – NIKON, ZEISS, LEICA, AND OLYMPUS



(Shown with optional light guide and lens tube)

## LAMBDA LS XENON ARC LAMP AND POWER SUPPLY

The **Lambda LS** is a stand-alone lighting system consisting of a xenon-arc lamp, lamp housing, cold mirror and power supply in a single enclosure. The **Lambda LS** is designed to be used with a liquid light guide which transmits remarkably flat, intense, illumination to the optical train of the user's microscope or other instrumentation. The cabinet of the **Lambda LS** accommodates a standard Sutter Instrument filter wheel with shutter that slides easily in and out of a slot in the light path. If desired, a second filterwheel can be mounted on the outside of the cabinet. When used with appropriate adapters, the light guide output is compatible with most common microscope systems.

Unlike the arc lamps used with most fluorescence microscopes, the xenon bulb is pre-aligned using a parabolic mirror and does not require alignment. In the standard configuration, the **Lambda LS** bulb

is capable of producing light output from 340nm to a cutoff of 700nm determined by the cold mirror. An optional enhanced UV bulb produces output much lower into the UV (cut off near 200nm). As with any UV generating light source, the optional bulb generates significant quantities of ozone and must be used in an adequately ventilated environment.

The **Lambda LS** utilizes a compact design, which places power supply, lamp house, arc lamp and cold mirror in a single enclosure. This system eliminates a common failure associated with standard arc lamp designs: when using a remote power supply aging may lead to a decreased ability to light the lamp due to loss of the insulating characteristics of the lengthy high-tension line. As with all our equipment, the power supply has been designed to minimize electrical noise that can be picked up by physiological recording equipment.

**LAMBDA LS BASIC SYSTEM**  
Includes a xenon lamp, cold mirror, power supply and lamp housing, support base with mounting rods, drop-in filter holder and manual.

**LB-LS/OF30**  
Lambda LS with 300 Watt ozone free lamp

**LB-LS/FS30**  
Lambda LS with 300 Watt full spectrum lamp

**LB-LS/OF17**  
Lambda LS with 175 Watt ozone free lamp

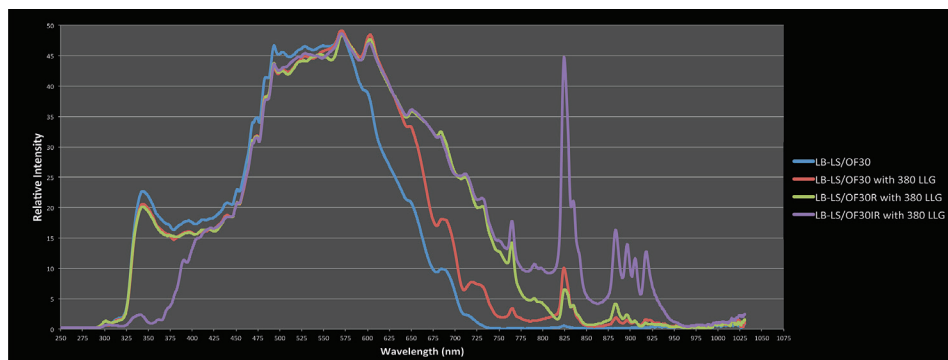
**LB-LS/FS17**  
Lambda LS with 175 Watt full spectrum lamp

**LB-LS/OF30R**  
Lambda LS with 300 Watt ozone free lamp and cold mirror that reflects to 780nm

**LB-LS/OF30IR**  
Lambda LS with 300 Watt ozone free lamp and cold mirror that reflects to 1100nm

**LB-LS/OF30UV**  
Lambda LS with 300 Watt full spectrum lamp and cold mirror that reflects to 275nm

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



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