



INTENSE ILLUMINATION

PRE-ALIGNED BULB

COLD MIRROR

COMPACT DESIGN

(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 lamp's cabinet accommodates a standard Sutter Instrument filter wheel 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, focusing or collimation. 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.

LB-LS/FS17

Includes 175 Watt full spectrum lamp, cold mirror, power supply and lamp housing, support base with mounting rods, drop-in filter holder, and manual

LB-LS/OF17

Includes 175 Watt ozone free lamp, cold mirror, power supply and lamp housing, support base with mounting rods, drop-in filter holder, and manual

LB-LS/FS30

Includes 300 Watt full spectrum lamp, cold mirror, power supply and lamp housing, support base with mounting rods, drop-in filter holder and manual

LB-LS/OF30

Includes 300 Watt ozone free lamp, cold mirror, power supply and lamp housing, support base with mounting rods, drop-in filter holder and manual

LLG

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

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



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