LQ-HXP 120 **LEJ**

External Light Source for Fluorescence Excitation Microscopy

This compact device is the ideal illumination source for fluorescence excitation in microscopy. Coupling is preferably achieved via liquid light guides to reduce heat at the microscope and to allow for remote shuttering of the lamp, reducing potential vibrations during time-lapse imaging. The average service life of a lamp is 2,000 hours. The optimized internal air flow cools the lamp and enables quiet operation. A resettable operating hour meter shows lamp operating hours. The brightness of the lamp output can be varied in 5 steps (0-100%) by means of a mechanical dimmer unit. An ultra-fast shutter opens or closes after activation with approx. 6 ms. The shutter is actuated either by means of an appliance switch, or externally by means of a remote control input or CAN-BUS connection. This compact light source is available as a VIS or UV version in addition to a version that permits the coupling of multi-pin liquid light guides.

Specifications

Electrical Connection	
Mains Voltage	100 up to 240 VAC ± 10 %, 50 up to 60 Hz
Power Input	max. 210 VA
Configuration	
Mercury short-arc reflector lamp	HXP R 120W/45C VIS with focussed reflector (Osram)
Filter/ heat protection	UV-IR Cut - Filter
Shutter	electrical control via interface, max. frequency 40 Hz, switching time approx. 6 ms
Dimming	mechanically, 5 steps 0 ... 100%
operating hour meter	display of lamp operation hours, resettable
Interface: shutter activation	connection for remote signal and foot switch, CAN-BUS on request
Desktop Device	
Dimensions (HxWxD)	210 x 130 x 290 in mm
Weight	ca. 4,7 kg

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