

# LQ-HXP 120

**HIGHEST LIGHT INTENSITY || ■**

**Ideal for fluorescence applications ■**

**Mercury-shortarc-REFLECTOR-LAMP 120 W**

This compact device is ideally suited as an external light source for fluorescence excitation in microscopy. The coupling takes place via liquid light guide. The optimized internal airflow cools the lamp effectively and ensures quiet operation. A resettable operating hour counter enables the control of lamp life. The brightness of the light can be varied with a mechanical dimming unit in 5 steps (0 to 100%).

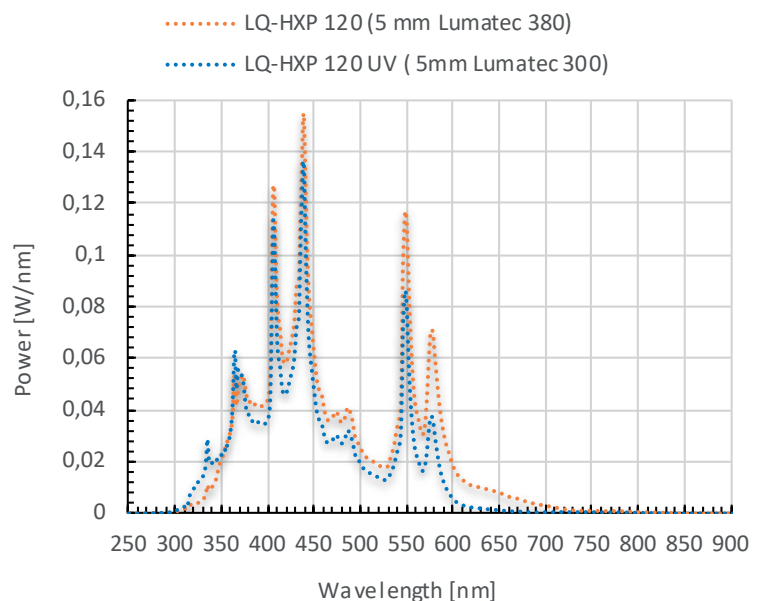


## HIGHLIGHTS

- Electronically controlled integrated shutter
- High lamp life 2,000 h
- Lamp life monitoring
- Lamp and reflector as a unit, easy lamp change, no adjustment
- Automatic glare protection
- No load on the illuminated object

## APPLICATIONS

- Fluorescence microscopy
- Image processing
- Forensics
- UV curing



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Variants	Lamp type	Fiber optics	Dimming	Interface
LQ-HXP 120-3	HXP R 120W/45C VIS <sup>3</sup>	active Ø 3 mm, Storz long	Mechanically, 5 Steps 0 to 100%	D-SUB (9-pol.) <sup>1</sup>
LQ-HXP 120-5	HXP R 120W/45C VIS <sup>3</sup>	active Ø 5 mm, Storz long		
LQ-HXP 120-Xpole	HXP R 120W/45C VIS <sup>3</sup>	active Ø 3 mm, LUMATEC D		
LQ-HXP 120-3-UV	HXP R 120W/45C UV <sup>4</sup>	active Ø 3 mm, Storz long		
LQ-HXP 120-5-UV	HXP R 120W/45C UV <sup>4</sup>	active Ø 5 mm, Storz long		
LQ-HXP 120-Xpole-UV	HXP R 120W/45C UV <sup>4</sup>	active Ø 3 mm, LUMATEC D		
LQ-HXP 120-3-v	HXP R 120W/45C VIS <sup>3</sup>	active Ø 3 mm, Storz long	Mechanically, 5 Steps 0 to 100%	BNC, USB oder CAN <sup>1,2</sup>
LQ-HXP 120-5-v	HXP R 120W/45C VIS <sup>3</sup>	active Ø 5 mm, Storz long		
LQ-HXP 120-3-UV-v	HXP R 120W/45C UV <sup>4</sup>	active Ø 3 mm, Storz long		
LQ-HXP 120-5-UV-v	HXP R 120W/45C UV <sup>4</sup>	active Ø 5 mm, Storz long		

1: Shutter, 2: Dimmung, 3: UV-IR cut - Filter, 4: IR cut-Filter

Technical data	
Features	
Shutter	Electrical control via interface, max. frequency 40 Hz, switching time approx. 6 ms
Operating hour meter	Display lamp operation hours, resettable
Safety	
Safety circuit	Switches unit supply off when device lid is opened
Excess temperature protection	Switches lamp voltage off in the event of excess temperature, switches on again after cooling
Glare shield	Light output remains automatically closed as long as no light guide is connected
Specifications	
Mains voltage	100 to 240 VAC
Power frequency	50 to 60 Hz
Power input	Max. 210 VA
Dimensions	
Width x height x depth	130 (145) x 210 x 290 mm
Weight	approx. 5 kg
Order	
Scope of delivery	Device with lamp, mains cable and manual
Accessories	Accessories such as replacement lamps, fiber optic cables and adapters can be found in the separate data sheet: <b>Compact light sources - Accessories</b>