

COMPACT AC LIGHT SOURCE FOR FLUORESCENCE EXCITATION

# LQ-HXP 120



For operating 120 W mercury short-arc reflector lamps



Front view of LQ-HXP 120 VIS (left) & LQ-HXP 120 UV (right)

The HXP 120 is a compact, powerful light source for fluorescence excitation in microscopy. Light is coupled in via liquid light guides, with the “Xpole” variant also offering multiple outputs.

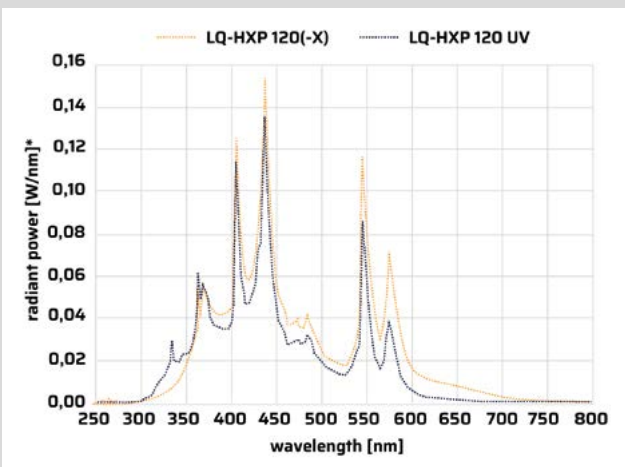
With an average lamp life of approx. 2,000 hours, 20-step brightness dimming, and quiet operation thanks to optimized thermal design, it is ideal for laboratory and industrial applications. Both the shutter and dimming can be controlled externally.

### PRODUCT HIGHLIGHTS

- 20-step brightness dimming
- Quiet operation thanks to optimized thermal design
- Long lamp life of approx. 2,000 hours
- Integrated electronic shutter
- Coupling via liquid light guide

### AREAS OF APPLICATION

- Fluorescence microscopy
- Forensics (especially as “Xpole”)
- Image processing
- Semiconductor manufacturing
- UV curing



Spectrum HXP 120(-X) and HXP 120 UV

\* measured with 5 mm optical fiber

**Functions**

Shutter	Electrical control via interface, max. frequency 40 Hz, switching time < 6 ms
Operating hours counter	Integrated functionality, notification when the lamp reaches the end of its service life

**Safety**

Safety circuit	Switches device off when housing cover is opened
Overheating protection	Switches off lamp power supply in case of overtemperature, restart to switch back on
Glare protection	Light outlet remains automatically closed as long as no light guide is plugged in

**Specifications**

Mains voltage	100 to 240 VAC
Power frequency	50 to 60 Hz
Power consumption	Max. 210 VA

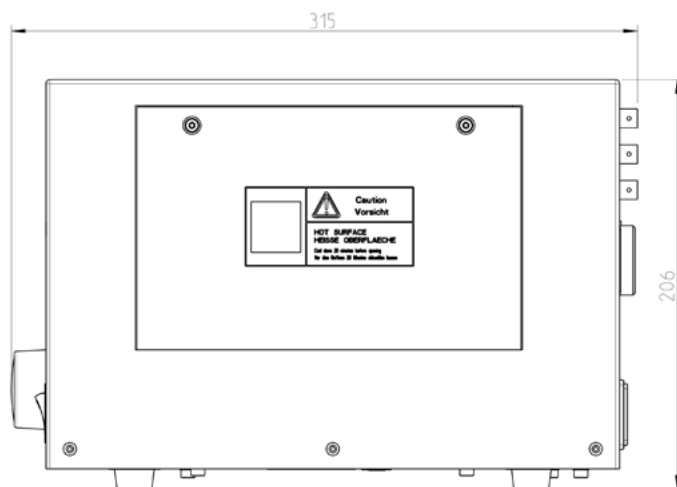
**Dimensions**

Dimensions (WxHxD)	Approx. 145 mm x 210 mm x 315 mm
Weight	Approx. 5.0 kg

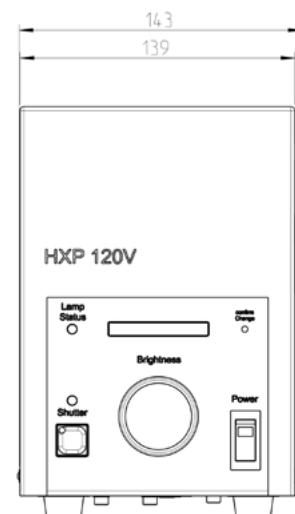
**Other**

Scope of delivery	Device with light source, power cord, and operating instructions
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Variant	Lamp	Light guide
<b>LQ-HXP 120</b> (Item no.: 14517)	OSRAM® HXP R 120W/45C VIS (Item no.: 9711)	Ø 3 mm x 2,000 mm -Lumatec-Fluid-Light Guide Series 380 (Item no.: 11709)
<b>LQ-HXP 120 UV</b> (Item no.: 21660)	OSRAM® HXP R 120W/45 UV (Item no.: 10452)	Ø 3 mm x 2,000 mm -Lumatec-Fluid-Light Guide Series 300 (Item no.: 11121)
<b>LQ-HXP120-X</b> (Item no.: 20979)	OSRAM® HXP R 120W/45C VIS (Item no.: 9711)	2 x Ø 3 mm x 1,500 mm Lumatec fluid light guide series 380 (Item no.: 12302)



Side view of LQ-HXP 120 | Dimensions in mm



Front view of LQ-HXP 120 | Dimensions in mm

Errors and omissions excepted. Subject to change without notice in the interest of technical progress.

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