

# UV-VIS Mercury Fiber Optic Illuminator



- high intense UV or VIS source
- uniform illumination with liquid light guide
- 2000 hours lamp life
- totally prealigned, nothing to adjust
- integrated electronic shutter

Fiber optics simplify moving light. They bend, compensate for misalignments and enclose the beam path from ambient light.

This fiber illuminator produces high intensity UV or visible light. It uses a 120 W Hg reflector lamp. The different dichroic coatings on the reflector transmit much of the infrared radiation while reflecting the UV or VIS.

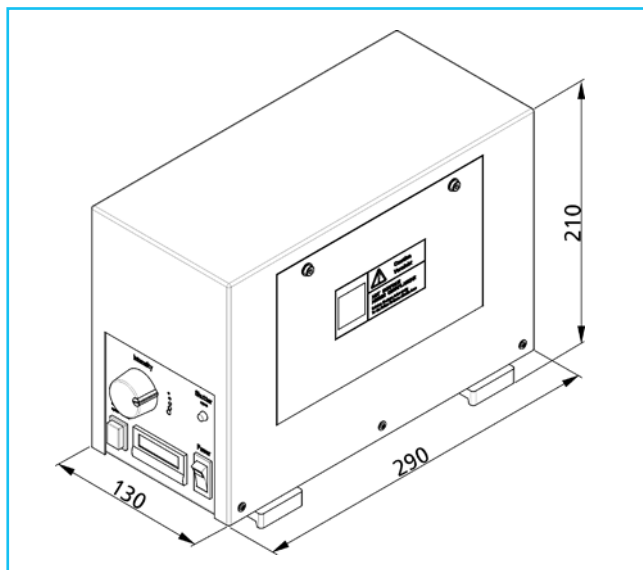
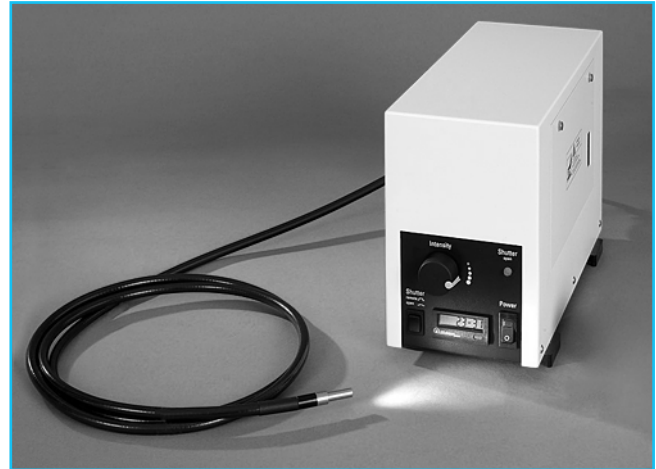
## Applications

- UV Curing
- Fluorescence excitation
- Uniform illumination

The source comes with everything you need in one compact enclosure.

## Built-in are:

- power supply
- ignitor
- electronic shutter
- mechanical dimming assembly
- IR-blocking filter



## Spectral Output

The lamp uses an ellipsoidal reflector to collect and refocus the arc. We offer 2 lamps with different dichroic reflector coatings providing a UV or VIS output as shown in the figure on the next page.

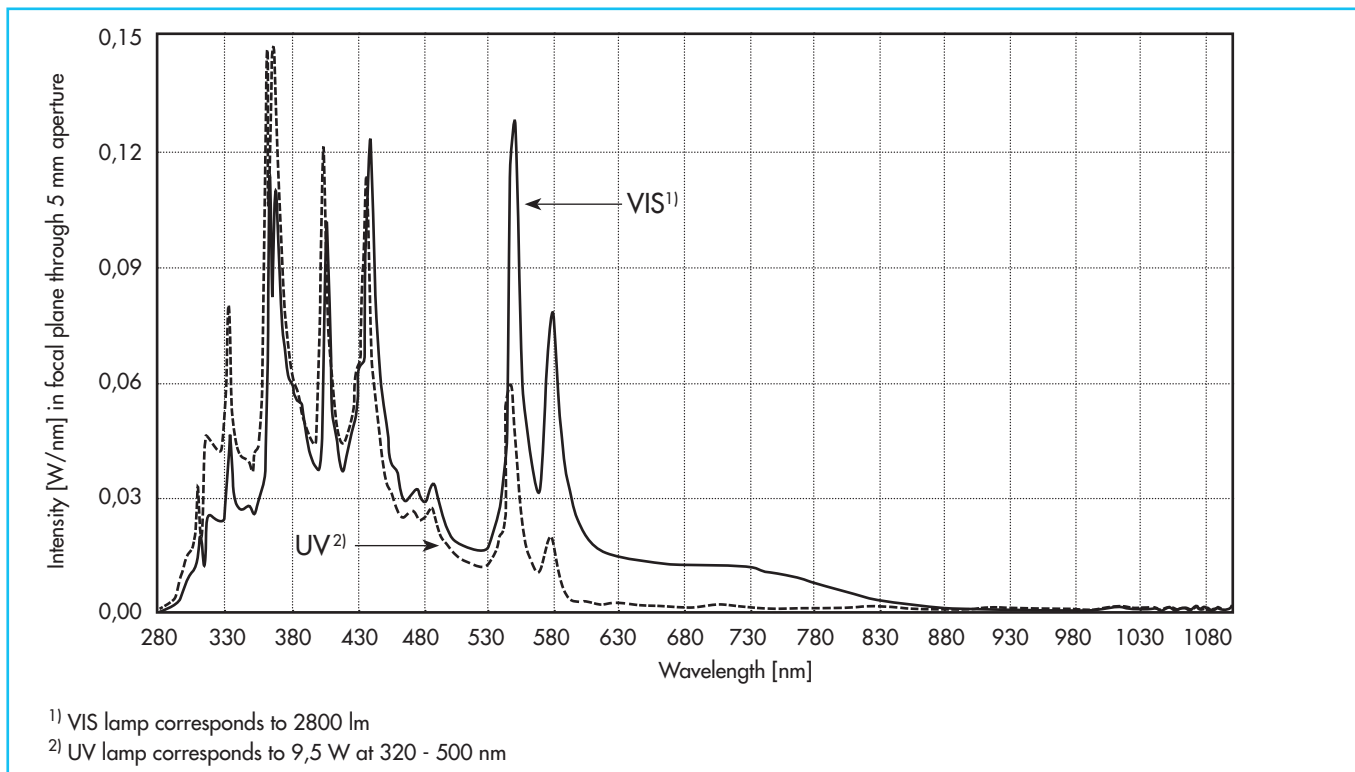
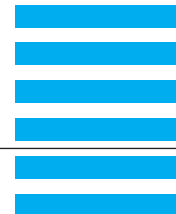
## Output Adjust

You can attenuate the output down to 0 in five steps with a simple knob adjustment. An internal electronic shutter has a rise and fall time of each 6 ms and provides up to 10 Hz exposure frequency. The shutter can be triggered manually using the open close switch on the front panel or via an externally applied +/- 8 voltage signal.

## Compatible Fiber Bundles

The coupling is efficient for large diameter bundles and liquid light guides only. The large acceptance angle of glass fiber bundles and liquid light guides accepts all of the input from the lamps F/1,5 reflector. The standard outlet of the source is for fibers with a so-called „Storz“-type ferrule.

# UV-VIS Mercury Fiber Optic Illuminator



## Specifications

<b>Lamp Type:</b>	120 W AC Hg Arc Lamp with Integral Reflector
<b>Operating Temp. Range:</b>	0 – 40° C
<b>Weight:</b>	4,7 kg
<b>Size (h x w x l):</b>	210 x 130 x 290 mm
<b>Input Voltage:</b>	100 – 240 V AC (+/- 10%), 50/60 Hz

## Ordering Information

<b>Source</b>	
<b>HXP120</b>	Fiber Optic Illuminator, no lamp
<b>Lamps</b>	
<b>LSB681</b>	120 W Hg UV Lamp
<b>LSB682</b>	120 W Hg VIS Lamp
<b>Fibers</b>	
<b>LLG131</b>	UV Liquid Light Guide, opt. dia. 5 mm, 1500 mm long
<b>LLG232</b>	VIS Liquid Light Guide, opt. dia. 5 mm, 1500 mm long
<b>LLG134</b>	UV Liquid Light Guide, opt. dia. 3 mm, 1500 mm long
<b>LLG234</b>	VIS Liquid Light Guide, opt. dia. 3 mm, 1500 mm long
<b>Filters</b>	
<b>HXPZ61</b>	Heat protection filter UV
<b>HXPZ62</b>	Heat protecting filter VIS