

# Heraeus

## BlueLight Compact Excimer UV System

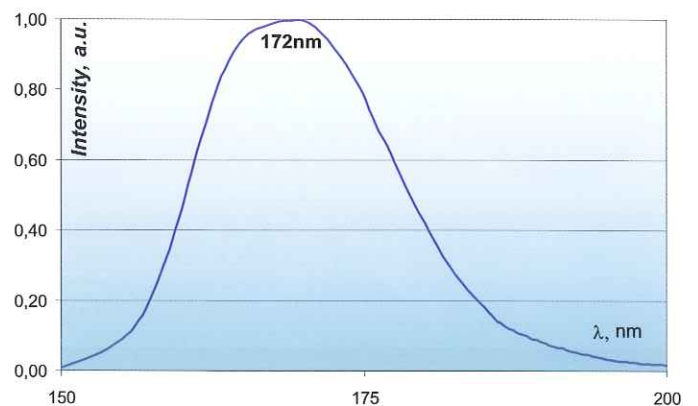
The BlueLight Compact Excimer System is a complete system, consisting of an excimer lamp, available in various lengths and power levels, with matching power supply units. BlueLight Compact is an economical and simple solution for applications which require 172nm UV radiation.

The system is very compact, flexible in use and ready for immediate operation. There is no need for forced cooling. BlueLight Compact is ideal for various applications in the laboratory and in industry.

### Applications of the BlueLight Compact System 172nm:

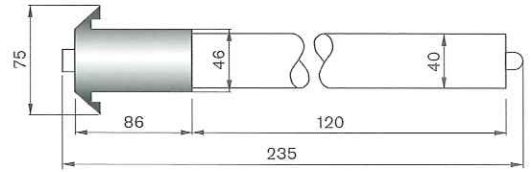
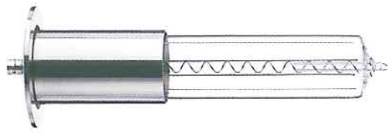
- Cleaning of surfaces, e.g. in processing of semiconductor wafers and flat panel displays
- Photo-chemical vapour deposition
- Changes in structure and composition of surfaces
- Activation of surfaces
- UV-Matting
- Ozone generation
- Water purification: preparation of ultrapure water and mineralization of organic components
- Photochemistry

For applications which require higher UV outputs, we offer water-cooled high power Excimer systems.

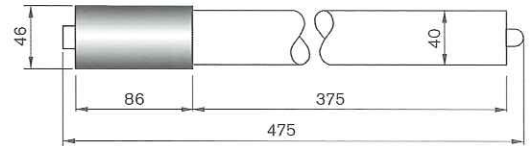
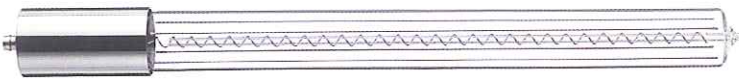


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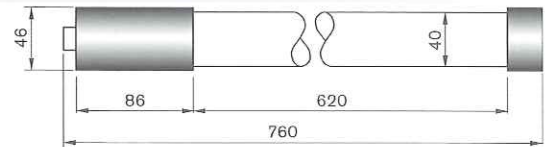
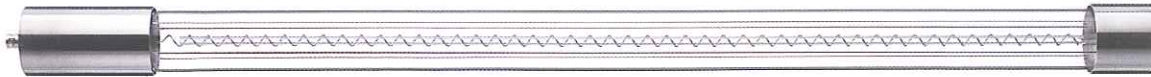
BlueLight Compact Excimer Lamp Type	Part number (lamp(s) + power supply)	Electrical input power (W)	Lamp length (mm)	Bulb diameter (mm)	Bulb length (mm)	Base	Irradiance (mW/cm <sup>2</sup> )
BlueLight Compact 172/120 Z	80012290	20	235	40	120	flange DN 50 KF	50
BlueLight Compact 172/120 ZHV (HV: high vacuum flange)	80012291	20	235	40	120	flange DN 50 KF	50



BlueLight Compact 172/375 Z	80012310	50	475	40	360	cylindrical	50
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BlueLight Compact 172/620 Z	80012292	100	760	40	620	cylindrical	50
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BlueLight Compact Power Supply	Supply voltage (V)	Mains frequency (Hz)	Output power (W)	Dimensions (mm)	Suitable for Excimer Compact Source
<b>CPS 20</b>	110/240	50/60	20	223x112x55	172/120 Z - 20 W 172/120 ZHV - 20 W
<b>CPS 100</b>	110/240	50/60	100	282x175x80	172/620 Z - 100 W
<b>CPS100/2</b>	110/240	50/60	2x50	282x175x80	2 x 172/375 Z - 50 W



CPS20



CPS100



CPS100/2

We reserve the right to change the pictures and the technical data of this brochure.  
HNG-B 193 E - 10/2004 Uscha

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