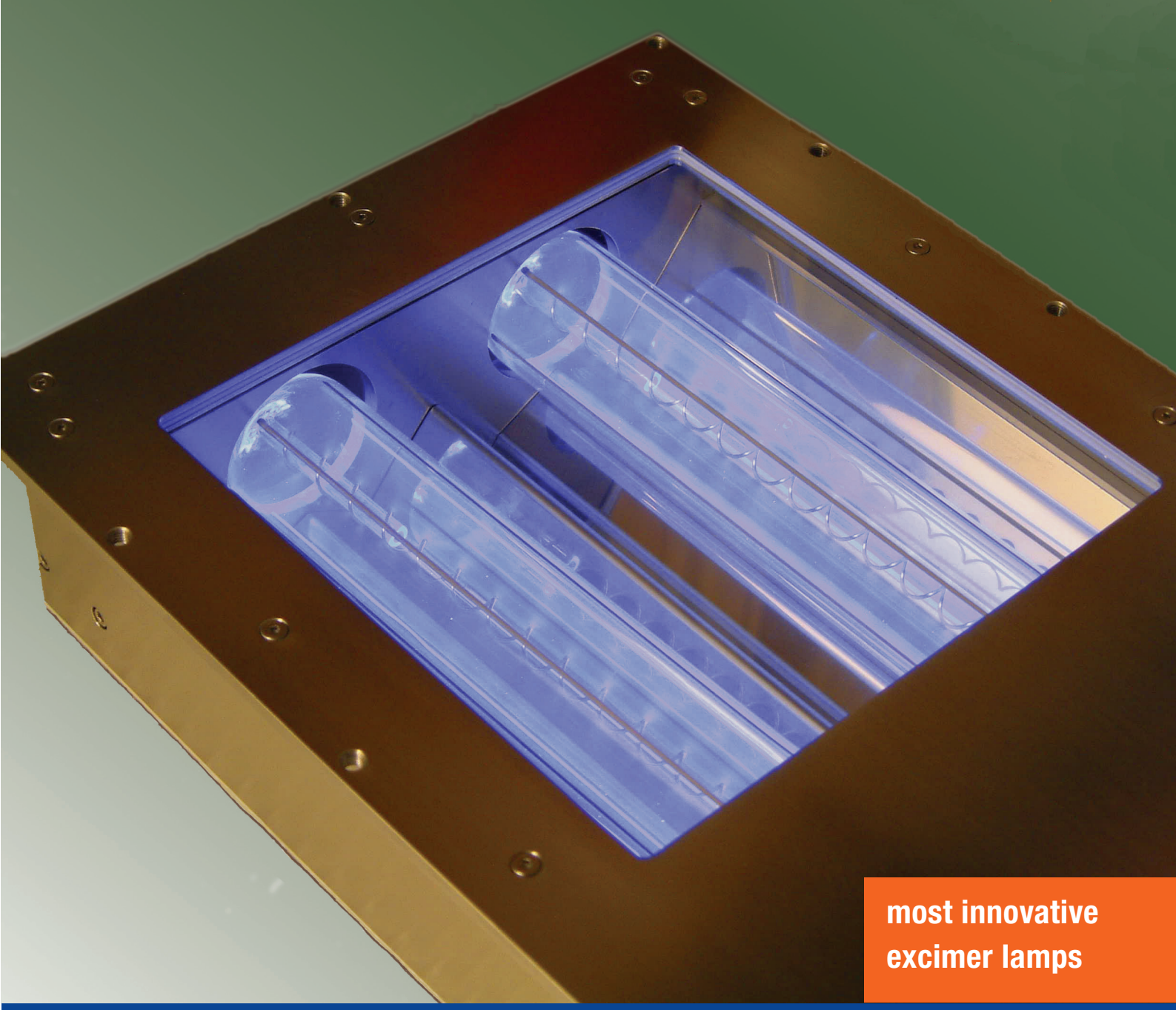


most innovative
excimer lamps

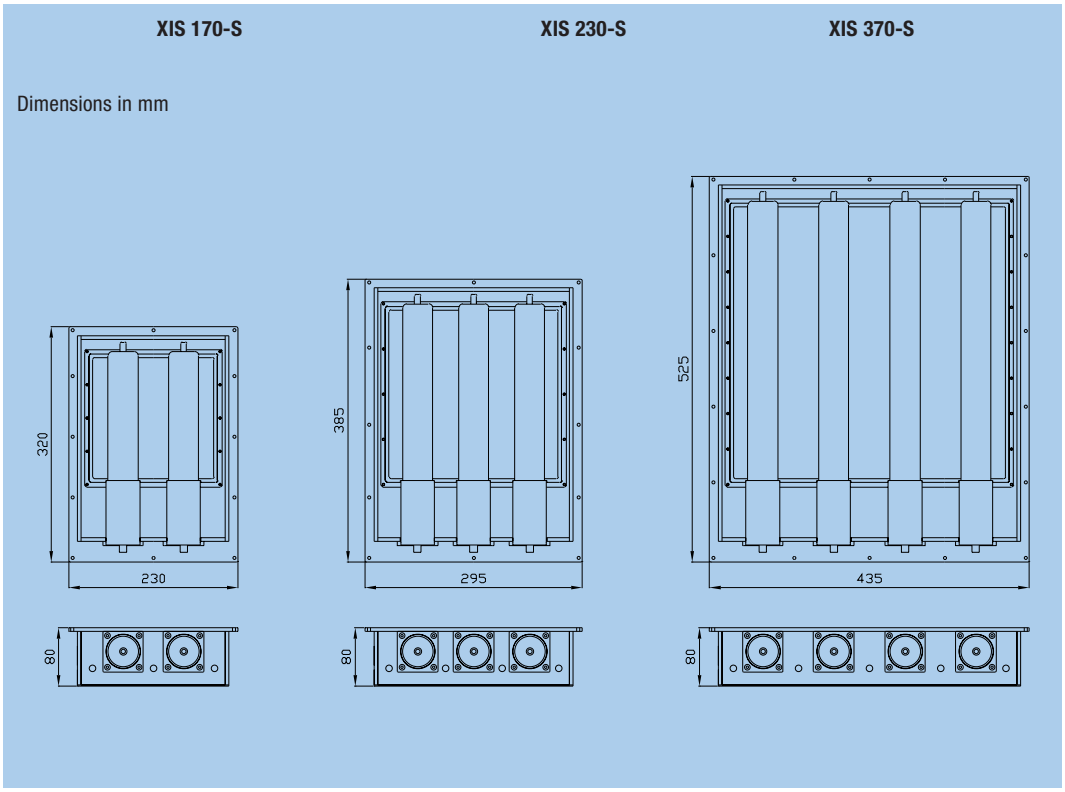
XERADEX® Irradiation System

high efficiency
no cooling required
long lifetime
compact design
highest profitability

SEE THE WORLD IN A NEW LIGHT

OSRAM

Technical data



Irradiation system	XIS 170-S	XIS 230-S	XIS 370-S
Wavelength (bandwidth)	172 nm (14 nm)	172 nm (14 nm)	172 nm (14 nm)
Lamp wattage	2 x 20 W	3 x 35 W	4 x 50 W
Window size	170 mm x 170 mm	230 mm x 230 mm	370 mm x 370 mm
Irradiance (on window surface)	> 30 mW/cm²	> 35 mW/cm²	> 30 mW/cm²
Irradiance uniformity	> 85 %	> 85 %	> 85 %
Dimensions (length x width x depth) approx.	320 mm x 230 mm x 80 mm	385 mm x 295 mm x 80 mm	525 mm x 435 mm x 80 mm
Weight	8 kg	11 kg	14 kg
Water cooling	not necessary	not necessary	not necessary
Nitrogen flow (purity >99,99%)	15-20 l/min	20-25 l/min	20-30 l/min
System power consumption	60 W	150 W	300 W
Power supplies weight	1.2 kg	3 kg	6 kg

Other irradiation sizes and wavelengths are available on request

XERADEX® Irradiation Systems (XIS series) utilize the advantages of OSRAM's innovative xenon excimer lamps and offer a convenient and economical surface treatment solution. The exceptionally high 40% VUV efficiency of the XERADEX lamps eliminates the need for bulky cooling equipment. With a typical lamp life of 1500h, the result is a very compact and cost-effective system that is easily implemented and maintained.

Application fields

Organic removal: photomask cleaning, LCD/OLED substrate cleaning, improvement of deposition, resist removal, etching

Surface treatment: activation of surface bonds, adjustment of wetting angle (glass, polymers, etc.), better bonding and coating performance, improved plating characteristics

For more information please contact:

OSRAM GmbH
Display-Optic Division
Marketing Sales
Nonnendammallee 44-61
13629 Berlin
Germany
Phone: +49 (0) 30 3386-2174
Fax: +49 (0) 30 3386-2359
e-mail: n.farchtchian@osram.de

Products as supplied may differ from the illustrations and descriptions shown.