

HG-XE LIGHTING SYSTEM FOR UV APPLICATIONS UP TO 100 W

DEEP UV SYSTEM



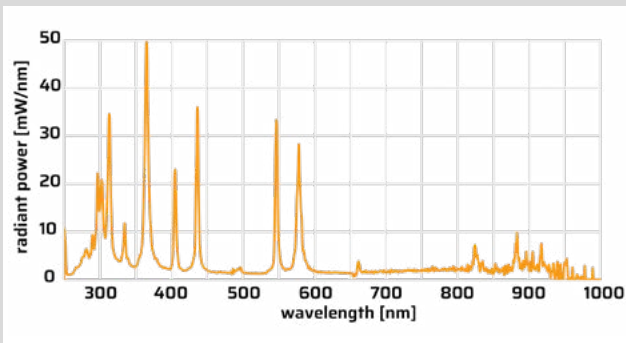
consisting of lamp housing with integrated ignition and ballast for stable UV lighting without thermal drift



Front view of Deep UV system

The deep UV illumination system provides extremely stable UV illumination thanks to a highly stable DC power supply and no thermal drift.

The precise, reproducible adjustment of the lamp, mirror and collector enables optimal alignment. Ideal for wafer inspections, optical reviews and the analysis of photomasks, especially for checking the finest structures and line widths for errors and defects.



Spectrum Deep UV system from the lamp housing 'lh-qx 100.60' without collector optics

PRODUCT HIGHLIGHTS

- No thermal drift
- Reproducible mechanical adjustment
- Ignition integrated in the lamp housing
- Compact lamp housing
- Safety circuit function

AREAS OF APPLICATION

- Lighting for optical review and analysis of photomasks, especially structures and line widths, for errors or defects
- Wafer inspection
- Decontamination

Lamp housing lh-qx-100.60

Fastening	Lamp housing via flange or dovetail, lamp via lamp adapter with x, y adjustment
Ignition device	Integrated high-voltage ignition device
Reflector	Mirror with x, y, z adjustment
Collector	With z adjustment
Safety	In accordance with EN 61010-1
Device protection class	I
Protection class	IP 20 (EN 60529)
Safety circuit	Shutdown when opened
Ambient temperature	0°C to +40°C
Dimensions (HxWxD)	169 x 126 x 154 mm
Weight	3.4 kg

Ballast ebqx 100-

Features	Operation of 100 W HgXe lamps
Lamp type	HAMAMATSU L8029-01, L2422-01
Lamp connection	M1 6+PE socket, Schaltbau
Safety	Safety circuit, overprotection temperature

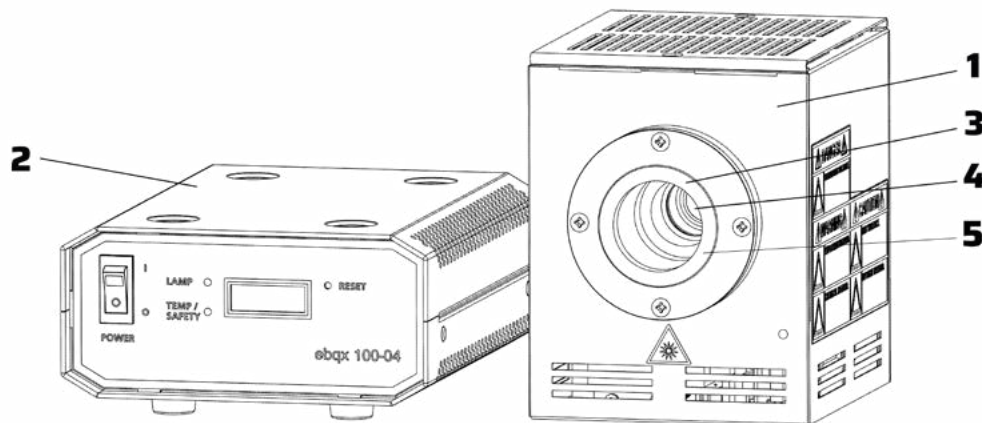
Input parameters

Mains voltage	90 to 264 VAC
Power frequency	47 to 63 Hz
Power consumption	170 VA

Output parameters

Operating mode	Constant current
Performance	Max. 130 W
Output current	5,5 ± 0,3 A
No-load voltage	60 ± 5 VDC
Lamp voltage	10 to 18 VDC
Ignition voltage	External ignition device
Dimensions (WxHxD)	167 x 85 x 222 mm
Weight	2.0 kg

No.	Article	Item number
1	Lamp housing lh-qx 100.60	0000013780
2	Ballast ebqx 100-04	0000008708
3	UV collector optics	At customer request
4	HAMAMATSU L8029 / L2422 lamp	0000013812 / 0000018455
5	Microscope adapter	At customer request



Deep UV system consisting of ballast ebqx 100-04 (left) and lamp housing lh-qx 100.60

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

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