

HBO Microlithography Lamps for ASML i-line Systems



Areas of application

- Microlithography

Product features and benefits

- High spectral intensity with peak irradiance at 365nm wavelength, making it ideal for microlithography
- Designed for long lasting performance
- Qualified with ASML
- Qualified with ASML



Product family datasheet

Technical data

| Product description | Electrical Data | | Photometric Data | Physical Attributes & Dimensions |
|-------------------------------|-----------------|-----------------|---------------------------|----------------------------------|
| | Nominal wattage | Nominal voltage | Light center length (LCL) | Length |
| HBO 1003 W/PIL | 1003 W | 27.1 V | 85.0 mm ²⁾ | 195.0 mm |
| HBO 1500 W/PIL | 1500 W | 23 V | 118.0 mm ²⁾ | 273.0 mm |
| HBO 2100 W/PIL | 2100 W | 24 V | 118.0 mm ²⁾ | 240.0 mm |
| HBO 2500 W/PIL | 2500 W | 28.0 V | 149.0 mm ²⁾ | 340.0 mm |
| HBO 3500 W/PIL | 3500 W | 23 V | 154.0 mm ²⁾ | 360.0 mm |
| HBO 5500 W/PIL | 5500 W | 27 V | 154.0 mm ²⁾ | 325.5 mm |
| HBO 5510 W/PIHL ¹⁾ | 5500 W | 29 V | 154.0 mm ²⁾ | 352.5 mm |

¹⁾ Lamp contains overpressure even in cold status - additional safety regulations, supplied with the lamps, have to be fulfilled. Please read Technical bulletin DO-SEM TB 004 carefully

²⁾ Distance from end of base to tip of anode or cathode (cold)

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Safety advice

Because of their high luminance, UV radiation and high internal pressure (when hot) HBO lamps may only be operated in enclosed lamp casings specially constructed for the purpose. Mercury is released if the lamp breaks. Special safety precautions must be taken. More information is available on request or can be found in the leaflet included with the lamp or in the operating instructions.

Application advice

For more detailed application information and graphics please see product datasheet.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.