OSRAM

HBO 5500 W/PIL

HBO-IC Microlithography lamps for ASML i-line systems | Microlithography lamps for ASML i-line systems
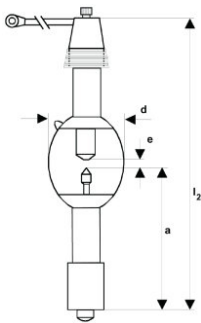
—

Product datasheet

Electrical data

Nominal voltage	27.0 V
Nominal current	204 A
Type of current	DC
Rated wattage	5500.00 W
Nominal wattage	5500.00 W

Dimensions & weight

Diameter	85.0 mm
Length	325.5 mm
Mounting length	355.0 mm
Length with base excl. base pins/connection	352.50 mm
Light center length (LCL)	154.0 mm [1]
Electrode gap cold	5.5 mm

[1] Distance from end of base to tip of anode or cathode (cold)

Additional product data

Base anode (standard designation)	SFcX42.5-6/50 [1]
Base cathode (standard designation)	SFa37.5-9/50

[1] With cable connection (M 10)

Capabilities

Cooling	Forced [1]
Burning position	Other [2]

[1] Maximum permissible base temperature: 200 °C

[2] Anode on top

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)

Date of Declaration	05-03-2024
Primary Article Identifier	4008321352293
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	6b7278b8-d3b4-462a-9326-20823adb4178

Product datasheet

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.

Disclaimer

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