

HBO 5003 W/NIL

HBO-IC Microlithography lamps for Nikon i-line systems | Microlithography lamps for Nikon i-line systems



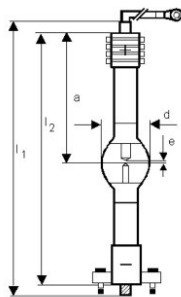
Product datasheet

Technical data

Electrical data

Nominal voltage	33.0 V
Nominal current	152 A
Type of current	DC
Rated wattage	5000.00 W
Nominal wattage	5000.00 W

Dimensions & weight



Diameter	109.0 mm
Length	485.0 mm
Length with base excl. base pins/connection	448.00 mm
Light center length (LCL)	205.0 mm ¹⁾
Electrode gap cold	8.0 mm

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

Additional product data

Base anode (standard designation)	SFaX46-15/72 ¹⁾
Base cathode (standard designation)	SFaX85-16/70
Product remark	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

¹⁾ With cable connection (M 8)

Capabilities

Cooling	Forced ¹⁾
Burning position	Other ²⁾

¹⁾ Maximum permissible base temperature: 200 °C / Base cooling

²⁾ Anode on top

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	04-02-2022
Primary Article Identifier	4008321597267
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	4F96383F-F294-498D-B0E7-D3AE255C89BC

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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.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321597267	HBO 5003 W/NIL	Shipping carton box 1	340 mm x 340 mm x 900 mm	104.04 dm ³	6042.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

References / Links

For further information on HBO lamps and notes for manufacturers of control gear, please refer to the following publications, available on request from OSRAM:

“Specifications for power supply units for dc operated HBO mercury short-arc lamps”

“Specifications for power supply units for ac operated HBO mercury short-arc lamps”

“Specifications for igniters for HBO mercury short-arc lamps”

“Availability of power supplies and igniters”

“Mercury short arc lamps HBO for microlithography, Technology and Application”

Disclaimer

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