

HBO 3500 W/NIL

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



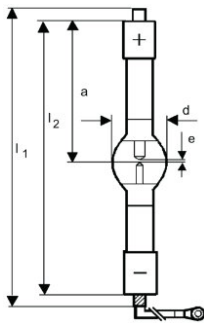
Product datasheet

Technical data

Electrical data

Nominal voltage	27.0 V
Nominal current	130.00 A
Type of current	DC
Rated wattage	3500.00 W
Nominal wattage	3500.00 W

Dimensions & weight



Diameter	82.0 mm
Length	382.0 mm
Length with base excl. base pins/connection	335.00 mm
Light center length (LCL)	180.0 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)	SFc33.5-16/50 ¹⁾
Base cathode (standard designation)	SFa33.5-12/50 ²⁾
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 thread (M 16)

²⁾ With cable connection (M8)

Capabilities

Cooling	Forced ¹⁾
Burning position	Other ²⁾

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

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2) Anode on top

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	01-04-2022
Primary Article Identifier	4050300660769 4008321786852
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	5df92030-3a5e-4864-84bf-e882635c629e 9A5773FE-12CE-4705-8EC8-420BE627D42F

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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
4050300660769	HBO 3500 W/NIL	Shipping carton box 1	800 mm x 600 mm x 945 mm	453.60 dm ³	17220.00 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.
