

## HBO 2011 W/NILH

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



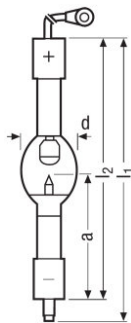
# Product datasheet

## Technical data

### Electrical data

Nominal voltage	24.0 V
Nominal current	83 A
Type of current	DC
Rated wattage	2000.00 W
Nominal wattage	2000.00 W

### Dimensions & weight



Diameter	55.0 mm
Length	234.0 mm
Mounting length	256.0 mm
Length with base excl. base pins/connection	234.00 mm
Light center length (LCL)	107.75 mm <sup>1)</sup>
Electrode gap cold	4.5 mm

<sup>1)</sup> Distance from end of base to tip of anode or cathode (cold)

### Additional product data

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
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### Capabilities

Burning position	Other <sup>1)</sup>
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<sup>1)</sup> Anode on top

### Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
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<b>Date of Declaration</b>	01-01-2022
<b>Primary Article Identifier</b>	4050300991665   4050300991658
<b>Candidate List Substance 1</b>	Lead
<b>CAS No. of substance 1</b>	7439-92-1
<b>Safe Use Instruction</b>	The identification of the Candidate List substance is sufficient to allow safe use of the article.
<b>Declaration No. in SCIP database</b>	61f82125-dd19-4a18-bcd9-b6d55245163a   a1a066c2-cfdc-4227-8c5c-832a0146d005

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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.

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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300991665	HBO 2011 W/NILH	Folding carton box 1	385 mm x 195 mm x 160 mm	12.01 dm <sup>3</sup>	1189.00 g
4050300885162	HBO 2011 W/NILH	Shipping carton box 6	510 mm x 420 mm x 420 mm	89.96 dm <sup>3</sup>	7868.00 g

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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.

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### 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”

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### Disclaimer

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

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