

HBO 2011 W/NILH

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



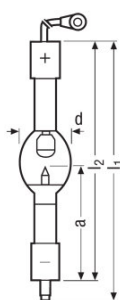
Product datasheet

Technical data

Electrical data

| | |
|-----------------|-----------|
| Nominal voltage | 23.5 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 ¹⁾ |
| Electrode gap cold | 4.5 mm |

¹⁾ 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 |
|----------------|---|

Capabilities

| | |
|------------------|---------------------|
| Dimmable | No |
| Burning position | Other ¹⁾ |

¹⁾ Anode on top

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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 |
|---------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4050300991665 | HBO 2011 W/NILH | Folding carton box 1 | 385 mm x 195 mm x 160 mm | 12.01 dm ³ | 1159.00 g |
| 4050300885162 | HBO 2011 W/NILH | Shipping carton box 6 | 510 mm x 420 mm x 420 mm | 89.96 dm ³ | 7868.00 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.
