

HBO 2011 W/NIL

Microlithography lamps for Nikon i-line systems



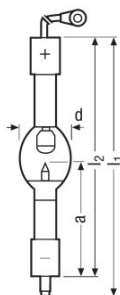
Product datasheet

Technical data

Electrical data

Nominal wattage	2011.00 W
Nominal voltage	23.5 V
Nominal current	85.0 A
Lamp current	80.0 A
Type of current	DC
Rated wattage	2000.00 W

Dimensions & weight



Diameter	55.0 mm
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)

Lifespan

Lifespan	2250 h
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Additional product data

Base (standard designation)	SFc27
Base anode (standard designation)	SFc27-7/35 ¹⁾
Base cathode (standard designation)	SFc27-12x1.5/35

¹⁾ With cable connection (M 8)

Capabilities

Cooling	Forced ¹⁾
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Product datasheet

Burning position	Vertical ²⁾
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¹⁾ Maximum permissible base temperature: 200 °C

²⁾ 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
4050300652641	HBO 2011 W/NIL	Shipping carton box 1	385 mm x 195 mm x 160 mm	12.01 dm ³	1.33 g
4050300975047	HBO 2011 W/NIL	Shipping carton box 6	510 mm x 420 mm x 420 mm	89.96 dm ³	8912.00 g
4050300947556	HBO 2011 W/NIL	Folding carton box 1	510 mm x 426 mm x 429 mm	93.20 dm ³	2207.00 g
4050300652665	HBO 2011 W/NIL	Shipping carton box 1	510 mm x 420 mm x 420 mm	89.96 dm ³	2207.00 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.
