HBO 1002 W/NEL

Microlithography lamps for Nikon i-line systems







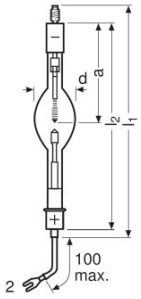
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Technical data

Electrical data

Nominal voltage	47.0 V
Nominal current	16.0 A
Type of current	DC
Rated wattage	750.00 W
Nominal wattage	750.00 ... 1000.00 W

Dimensions & weight



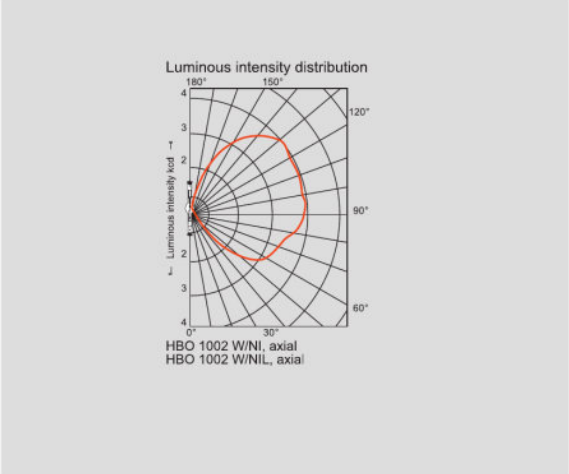
Diameter	28.0 mm
Length	187.0 mm

Lifespan

Lifespan	2500 h

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Additional product data



Luminous intensity distribution

Product remark	Lamp suitable for pulsed operation between 700...1000 W/Maximum permissible power 750 W for constant power operation

Capabilities

Burning position	Other [1)]

1) Anode underneath

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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
4050300412610	HBO 1002 W/NEL	Shipping carton box 1	330 mm x 110 mm x 115 mm	4.17 dm^3	422.00 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.

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