Product datasheet

# HBO 5000 W/MF

HBO-IC Microlithography lamps for other systems | Microlithography lamps for other systems


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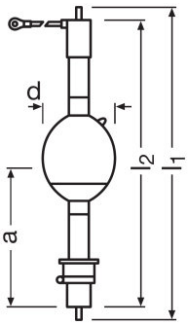
## Technical data

### Electrical data

| | |
|---|---|
| **Nominal voltage** | 50.0 V |
| **Nominal current** | 100.00 A |
| **Type of current** | DC |
| **Rated wattage** | 5000.00 W |
| **Nominal wattage** | 5000.00 W |

### Dimensions & weight




| | |
|---|---|
| **Diameter** | 80.0 mm |
| **Length** | 360.0 mm |
| **Length with base excl. base pins/connection** | 318.00 mm |
| **Light center length (LCL)** | 143.5 mm [1] |
| **Electrode gap cold** | 7.5 mm |

[1] Distance from end of base to tip of anode or cathode (cold)

### Additional product data

| | |
|---|---|
| **Base anode (standard designation)** | SFa33.5-9.4/50 [1] |
| **Base cathode (standard designation)** | SFa33.5-7.85/50 |
| **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 cable connection (M 10)

### Capabilities

| | |
|---|---|
| **Cooling** | Forced [1] |
| **Burning position** | Other [2] |

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

[2] Anode on top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## Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh) | |
|---|---|
| **Date of Declaration** | 05-03-2024 |
| **Primary Article Identifier** | 4050300772264 \| 4052899247994 |
| **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** | 026d4f20-6678-4452-8959-076527d7602a \| 56104d2b-53c0-4c9e-a751-6d8f2033b8f6 |


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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 |
|---|---|---|---|---|---|
| 4050300772264 | HBO 5000 W/MF | Sliding sleeve<br>1 | 605 mm x 320 mm x 230 mm | 44.53 $dm^3$ | 3095.00 g |
| 4050300772271 | HBO 5000 W/MF | Shipping carton box<br>4 | 800 mm x 600 mm x 826 mm | 396.48 $dm^3$ | 24836.00 g |
| 4050300772318 | HBO 5000 W/MF | Shipping carton box<br>1 | 800 mm x 600 mm x 825 mm | 396.00 $dm^3$ | 10150.00 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.

## Disclaimer

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


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