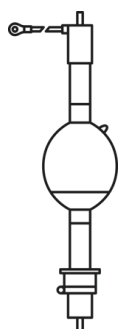
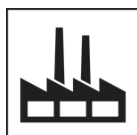


## HBO-IC Microlithography lamps for Süss systems

Microlithography lamps for Süss systems



327105\_HBO 5000WS



Product family datasheet

Technical data

| Product description        | Electrical data |                 |                 |                 |               | Dimensions & weight |          |
|----------------------------|-----------------|-----------------|-----------------|-----------------|---------------|---------------------|----------|
|                            | Nominal voltage | Nominal current | Type of current | Nominal wattage | Rated wattage | Diameter            | Length   |
| HBO 350 W/S                | 68.0 V          | 515 A           | DC              | 350.00 W        | 350.00 W      | 20.0 mm             | 127.0 mm |
| HBO 1000 W/D               | 37.7 V          | 2650 A          | DC              | 1000.00 W       | 1000.00 W     | 40.0 mm             | 240.0 mm |
| HBO 5000 W/S <sup>1)</sup> | 50.0 V          | 100 A           | DC              | 5000.00 W       | 5000.00 W     | 80.0 mm             | 360.0 mm |
| HBO 1000W/DHL              | 45.0 V          | 222 A           | DC              | 1000.00 W       | 1000.00 W     | 40.0 mm             | 206.0 mm |

| Product description        | Length with base excl. base pins/connection | Light center length (LCL) | Electrode gap cold | Additional product data           |
|----------------------------|---------------------------------------------|---------------------------|--------------------|-----------------------------------|
|                            |                                             |                           |                    | Base anode (standard designation) |
| HBO 350 W/S                | 127.00 mm                                   | 52.5 mm <sup>2)</sup>     | 3.0 mm             | SFcY10-4 <sup>3)</sup>            |
| HBO 1000 W/D               | 208.00 mm                                   | 89.5 mm <sup>2)</sup>     | 3.0 mm             | SFc15-6/25 <sup>6)</sup>          |
| HBO 5000 W/S <sup>1)</sup> | 360.00 mm                                   | 143.5 mm <sup>2)</sup>    | 7.5 mm             | SFa33.5-9.4/50 <sup>8)</sup>      |
| HBO 1000W/DHL              |                                             |                           |                    |                                   |

| Product description        | Base cathode (standard designation) | Capabilities             |                      | Environmental information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |
|----------------------------|-------------------------------------|--------------------------|----------------------|-------------------------------------------------------------------------------------|
|                            |                                     | Cooling                  | Burning position     | Date of Declaration                                                                 |
| HBO 350 W/S                | SFcY10-4 <sup>3)</sup>              | Convection <sup>4)</sup> | Other <sup>5)</sup>  | 05-03-2024                                                                          |
| HBO 1000 W/D               | SFc15-6/25 <sup>7)</sup>            | Convection               | Other <sup>5)</sup>  | 05-03-2024                                                                          |
| HBO 5000 W/S <sup>1)</sup> | SFa33.5-7.85/50                     | Forced <sup>9)</sup>     | Other <sup>10)</sup> | 05-03-2024                                                                          |
| HBO 1000W/DHL              |                                     |                          | Other                | 06-03-2024                                                                          |

| Product description | Primary Article Identifier    | Candidate List Substance 1 | CAS No. of substance 1 | Safe Use Instruction                                                                               |
|---------------------|-------------------------------|----------------------------|------------------------|----------------------------------------------------------------------------------------------------|
| HBO 350 W/S         | 4050300258041   4052899528192 | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

Product family datasheet

| Product description        | Primary Article Identifier                    | Candidate List Substance 1 | CAS No. of substance 1 | Safe Use Instruction                                                                               |
|----------------------------|-----------------------------------------------|----------------------------|------------------------|----------------------------------------------------------------------------------------------------|
| HBO 1000 W/D               | 4050300288857   4062172370745                 | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| HBO 5000 W/S <sup>1)</sup> | 4008321147875   4008321147899   4062172213486 | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| HBO 1000W/DHL              | 4008321673145                                 | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

| Product description        | Declaration No. in SCIP database                                            |
|----------------------------|-----------------------------------------------------------------------------|
| HBO 350 W/S                | 664a7846-47f2-4d61-8323-e72e69aa88b3                                        |
| HBO 1000 W/D               | a7ed535d-b58b-40ea-8c22-64880ddaa6bb                                        |
| HBO 5000 W/S <sup>1)</sup> | df72245a-57ed-42fb-90a2-5ca3c09b618d   c0d6f8d6-6d7d-4632-96fe-32aacce2ee6a |
| HBO 1000W/DHL              | 35e19ed5-53bd-45ba-8079-3737c9f2fc21                                        |

<sup>1)</sup> 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

<sup>2)</sup> Distance from end of base to tip of anode or cathode (cold)

<sup>3)</sup> With 8-32 UNC-3 B thread

<sup>4)</sup> Cooling fins on cathode base

<sup>5)</sup> Anode underneath

<sup>6)</sup> With thread (M 6)

<sup>7)</sup> With thread (M6)

<sup>8)</sup> With cable connection (M 10)

<sup>9)</sup> Maximum permissible base temperature: 200 °C

<sup>10)</sup> Anode on top

## Product family datasheet

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### Application advice

For more detailed application information and graphics please see product datasheet.

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### Disclaimer

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