

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 | Rated wattage | Nominal wattage | Diameter | Length |
| HBO 350 W/S | 68.0 V | 5.15 A | DC | 350.00 W | 350.00 W | 20.0 mm | 127.0 mm |
| HBO 1000 W/D | 37.7 V | 26.50 A | DC | 1000.00 W | 1000.00 W | 40.0 mm | 240.0 mm |
| HBO 5000 W/S ¹⁾ | 50.0 V | 100 A | DC | 5000.00 W | 5000.00 W | 80.0 mm | 360.0 mm |
| HBO 1000W/DHL | 45.0 V | 22.2 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 ²⁾ | 3.0 mm | SFcY10-4 ³⁾ |
| HBO 1000 W/D | 208.00 mm | 89.5 mm ²⁾ | 3.0 mm | SFc15-6/25 ⁶⁾ |
| HBO 5000 W/S ¹⁾ | 360.00 mm | 143.5 mm ²⁾ | 7.5 mm | SFa33.5-9.4/50 ⁸⁾ |
| 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 ³⁾ | Convection ⁴⁾ | Other ⁵⁾ | 01-04-2022 |
| HBO 1000 W/D | SFc15-6/25 ⁷⁾ | Convection | Other ⁵⁾ | 01-04-2022 |
| HBO 5000 W/S ¹⁾ | SFa33.5-7.85/50 | Forced ⁹⁾ | Other ¹⁰⁾ | 01-01-2022 |
| HBO 1000W/DHL | | | Other | 01-04-2022 |

| 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. |

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| Product description | Primary Article Identifier | Candidate List Substance 1 | CAS No. of substance 1 | Safe Use Instruction |
|----------------------------|---|----------------------------|------------------------|--|
| HBO 1000 W/D | 4050300288857 | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| HBO 5000 W/S ¹⁾ | 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 ¹⁾ | df72245a-57ed-42fb-90a2-5ca3c09b618d c0d6f8d6-6d7d-4632-96fe-32aacce2ee6a |
| HBO 1000W/DHL | 35E19ED5-53BD-45BA-8079-3737C9F2FC21 |

¹⁾ 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

²⁾ Distance from end of base to tip of anode or cathode (cold)

³⁾ With 8-32 UNC-3 B thread

⁴⁾ Cooling fins on cathode base

⁵⁾ Anode underneath

⁶⁾ With thread (M 6)

⁷⁾ With thread (M6)

⁸⁾ With cable connection (M 10)

⁹⁾ Maximum permissible base temperature: 200 °C

¹⁰⁾ Anode on top

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Application advice

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

Disclaimer

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