

## 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 <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	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 <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>	01-04-2022
HBO 1000 W/D	SFc15-6/25 <sup>7)</sup>	Convection	Other <sup>5)</sup>	01-04-2022
HBO 5000 W/S <sup>1)</sup>	SFa33.5-7.85/50	Forced <sup>9)</sup>	Other <sup>10)</sup>	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 <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

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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.