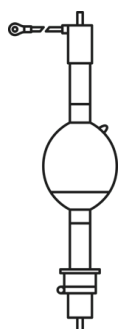


HBO-IC Microlithography lamps for Süss systems

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 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	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 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⁾	05-03-2024
HBO 1000 W/D	SFc15-6/25 ⁷⁾	Convection	Other ⁵⁾	05-03-2024
HBO 5000 W/S ¹⁾	SFa33.5-7.85/50	Forced ⁹⁾	Other ¹⁰⁾	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 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

Product family datasheet

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.