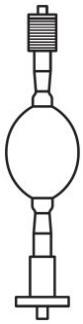
Product family datasheet

HBO-IC Microlithography lamps for Nikon LCD systems

Microlithography lamps for Nikon LCD systems

330868_HBO 4300WNHL



327061_HBO 12000WNi

Product family datasheet

Technical data

	Electrical data					Dimensions & weight	
Product description	**Nominal voltage**	**Nominal current**	**Type of current**	**Nominal wattage**	**Rated wattage**	**Diameter**	**Length**
HBO 4300 W/NHL	540 V	8000 A	DC	430000 W	430000 W	8000 mm	3870 mm
HBO 4301 W/NHL	620 V	69 A	DC	4300.00 W	430000 W	8000 mm	3890 mm
HBO 5000 W/N	620 V	81 A	DC	500000 W	500000 W	8000 mm	3890 mm
HBO 12000 W/NIL	101 V	99 A	DC	1200000 W	1000000 W	1310 mm	4750 mm
HBO 13500 W/N	120 V	112 A	DC	1350000 W	1350000 W	1240 mm	5240 mm

					Capabilities
Product description	**Electrode gap cold**	**Mounting length**	**Length with base excl. base pins/connection**	**Light center length (LCL)**	**Burning position**
HBO 4300 W/NHL	5.0 mm				Other
HBO 4301 W/NHL	5.0 mm				Other [1)]
HBO 5000 W/N	6.0 mm				Other
HBO 12000 W/NIL	14.0 mm	515.0 mm			Other
HBO 13500 W/N	11.0 mm	530.0 mm	508.00 mm	152.0 mm	Other

	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)			
Product description	**Date of Declaration**	**Primary Article Identifier**	**Candidate List Substance 1**	**CAS No. of substance 1**
HBO 4300 W/NHL	06-03-2024	4008321281159 | 4008321857002	Lead	7439-92-1
HBO 4301 W/NHL	05-03-2024	4008321378415	Lead	7439-92-1
HBO 5000 W/N	05-03-2024	4008321591777 | 4008321786791	Lead	7439-92-1
HBO 12000 W/NIL	05-03-2024	4008321687517	Lead	7439-92-1
HBO 13500 W/N	06-03-2024	4052899132405 | 4052899422575	Lead	7439-92-1

Product description	**Safe Use Instruction**	**Declaration No. in SCIP database**
HBO 4300 W/NHL	The identification of the Candidate List substance is sufficient to allow safe use of the article.	3c9b190e-a63d-444d-9cbd-1938f259e251 | 281edb64-c176-4cdf-8b5c-184d74ec6173

Product description	Safe Use Instruction	Declaration No. in SCIP database
HBO 4301 W/NHL	The identification of the Candidate List substance is sufficient to allow safe use of the article.	a4085612-3116-405c-a656-97ed7c686917
HBO 5000 W/N	The identification of the Candidate List substance is sufficient to allow safe use of the article.	37ce2d8b-4310-47e2-aa93-2d17a4c1a698 | 260003be-f0fc-4ae3-aa2b-f70cb8f7af47
HBO 12000 W/NIL	The identification of the Candidate List substance is sufficient to allow safe use of the article.	979fe7f6-cb14-4ddb-8e3b-2189f4f0c4bd
HBO 13500 W/N	The identification of the Candidate List substance is sufficient to allow safe use of the article.	45e7c28c-0226-492e-99da-9a6decf04550 | f8426a0d-d5e7-48ec-a9d7-a5b866582872

[1] Anode on top

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.

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.