

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

Product description	Electrical data					Dimensions & weight	
	Nominal voltage	Nominal current	Type of current	Rated wattage	Nominal wattage	Diameter	Length
HBO 4301 W/NHL	62.0 V	69.0 A	DC	4300.00 W	4300.00 W	80.0 mm	389.0 mm
HBO 5000 W/N	62.0 V	81.0 A	DC	5000.00 W	5000.00 W	80.0 mm	389.0 mm
HBO 12000 W/NIL	126 V	99.0 A	DC	10000.00 W	12000.00 W	131.0 mm	475.0 mm
HBO 13500 W/N	120 V	112 A	DC	13500.00 W	13500.00 W	124.0 mm	524.0 mm
HBO 4300 W/NHL	54.0 V	80.0 A	DC	4300.00 W	4300.00 W	80.0 mm	387.0 mm

Product description	Electrode gap cold	Mounting length	Length with base excl. base pins/connection	Light center length (LCL)	Capabilities
					Burning position
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
HBO 4300 W/NHL	5.0 mm				Other

Product description	Environmental information			
	Date of Declaration	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1
HBO 4301 W/NHL	10-11-2021	4008321378415	Lead	7439-92-1
HBO 5000 W/N	10-11-2021	4008321591777 4008321786791	Lead	7439-92-1
HBO 12000 W/NIL	10-11-2021	4008321687517	Lead	7439-92-1
HBO 13500 W/N	10-11-2021	4052899132405 4052899422575	Lead	7439-92-1
HBO 4300 W/NHL	10-11-2021	4008321281159 4008321857002	Lead	7439-92-1

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

Product family datasheet

Product description	Safe Use Instruction	Declaration No. in SCIP database
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
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

— 1) Anode on top

Product family datasheet

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.