

HBO-IC Microlithography lamps for other LCD systems

Microlithography lamps for other LCD systems



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 12000 W/ML	122 V	98 A	DC	12000.00 W	12000.00 W	120.0 mm	490.0 mm
HBO 12001 W/ML	122 V	98 A	DC	12000.00 W	12000.00 W	120.0 mm	490.0 mm
HBO 16005 W/AU	147 V	109 A	DC	16000.00 W	16000.00 W	140.0 mm	550.0 mm
HBO	168 V	143 A	DC	25000.00 W	25000.00 W	175.0 mm	610.0 mm
HBO	168 V	143 A	DC	25000.00 W	25000.00 W	175.0 mm	565.0 mm
HBO	168 V	143 A	DC	25000.00 W	25000.00 W	175.0 mm	610.0 mm

Product description	Length with base excl. base pins/connection	Light center length (LCL)	Electrode gap cold	Mounting length	Additional product data
					Base anode (standard designation)
HBO 12000 W/ML	478.00 mm	233.0 mm ¹⁾	12.0 mm		SF46-13/60 ²⁾
HBO 12001 W/ML			12.0 mm		
HBO 16005 W/AU	515.00 mm	239.0 mm ¹⁾	17.0 mm	532.0 mm	SFa46-35-14/70 ⁶⁾
HBO			20.0 mm		
HBO			20.0 mm		
HBO			20.0 mm		

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 12000 W/ML	SF46/100 ³⁾	Forced ⁴⁾	Other ⁵⁾	05-03-2024
HBO 12001 W/ML			Other	06-03-2024
HBO 16005 W/AU	SFa40-35-12/85 ³⁾	Forced ⁴⁾	Other ⁵⁾	06-03-2024
HBO			Other	06-03-2024
HBO			Other	06-03-2024
HBO			Other	06-03-2024

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Product description	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction
HBO 12000 W/ML	4008321546159 4008321848772 4052899183995	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
HBO 12001 W/ML	4052899167483 4052899422773	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
HBO 16005 W/AU	4008321416452 4052899196933	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
HBO	4008321804549	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
HBO	4008321804488	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
HBO	4008321804532	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 12000 W/ML	3B959432-CA31-4A9C-9E9B-8DE9A37D57F5 4ccf5391-075b-4c6a-83df-74f5f3e25aa9
HBO 12001 W/ML	d093396b-89b5-4d8a-be5c-84a4afbc8039
HBO 16005 W/AU	f01f3d93-1e6c-4b0b-96d0-8fe9b97e53b6 d10604c9-a7f1-43d2-a2c3-d314bafbce6a

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Product description	Declaration No. in SCIP database
HBO	b9a2b008-acf5-4616-8d92-5cf7b7e35921
HBO	c2cb27e2-5180-4634-af21-cb37f8aac7cc
HBO	9286e1cc-3b17-44ad-b376-c17c6330e80b

- 1) Distance from end of base to tip of anode or cathode (cold)
- 2) With cable connection (M 10)
- 3) With cable connection (M10)
- 4) Maximum permissible base temperature: 200 °C
- 5) Anode on top
- 6) With cable connection (M 8)

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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.