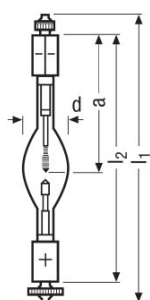
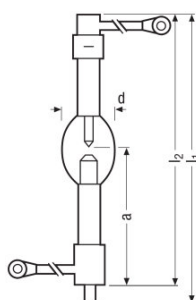


HBO-IC

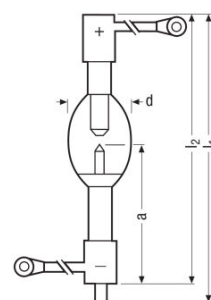
Microlithography lamps for Canon i-line systems



Product line drawing



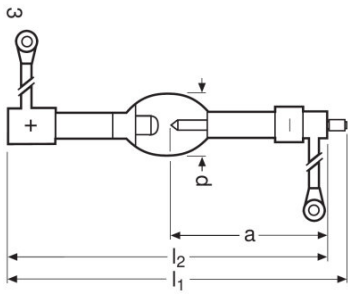
Product line drawing



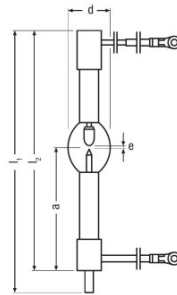
Product line drawing



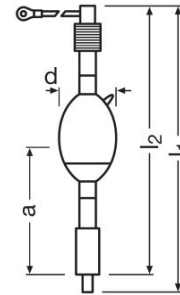
Product family datasheet



Product line drawing



Product line drawing



Product line drawing

Product family datasheet

Technical data

Product description	Electrical data					Dimensions & weight	
	Nominal current	Nominal voltage	Type of current	Rated wattage	Nominal wattage	Diameter	Length
HBO 1002 W/CEL ¹⁾	16.0 A	47.0 V	DC	750.00 W	750.00 ... 1000.00 W	28.0 mm	175.0 mm
HBO 1500 W/CIEL	62.5 A	23.0 V	DC	1500.00 W	1500.00 W	52.0 mm	262.0 mm
HBO 2001 W/CIEL	85.1 A	23.5 V	DC	2000.00 W	2000.00 W	62.0 mm	327.0 mm
HBO 2002 W/MA	54.0 A	37.0 V	DC	2000.00 W	2000.00 W	62.0 mm	270.0 mm
HBO 2700 W/CIL ²⁾	110 A	26.0 V	DC	2700.00 W	2700.00 W	62.0 mm	332.0 mm
HBO 4500 W/CIL ²⁾	148 A	30 V	DC	4500.00 W	4500.00 W	85.0 mm	354.0 mm

Product description	Mounting length	Electrode gap cold	Length with base excl. base pins/connection	Light center length (LCL)	Capabilities
					Dimmable
HBO 1002 W/CEL ¹⁾	157.0 mm	3.0 mm			No
HBO 1500 W/CIEL		4.0 mm			No
HBO 2001 W/CIEL		4.5 mm	307.00 mm	148.75 mm ⁴⁾	No
HBO 2002 W/MA		3.0 mm			No
HBO 2700 W/CIL ²⁾	332.0 mm	5.0 mm	307.00 mm	149.1 mm ⁴⁾	No
HBO 4500 W/CIL ²⁾		7.0 mm	330.00 mm	157.75 mm ⁴⁾	No

Product description	Burning position	Cooling	Additional product data	
			Base anode (standard designation)	Base cathode (standard designation)
HBO 1002 W/CEL ¹⁾	Other ³⁾			
HBO 1500 W/CIEL	Other ³⁾			
HBO 2001 W/CIEL	Other ⁸⁾	Forced ⁷⁾	SF33.5/50 ⁵⁾	SFa33.5-10/50 ⁶⁾
HBO 2002 W/MA	Other ³⁾			
HBO 2700 W/CIL ²⁾	Other ⁸⁾	Forced ⁷⁾	SF33.5/50 ⁵⁾	SFa33.5-14/50 ⁶⁾
HBO 4500 W/CIL ²⁾	Other ⁸⁾	Forced ⁷⁾	SFaX46-36/50 ⁵⁾	SFa36-16/50

¹⁾ Also available with 1,500 h lifespan: HBO 1002 W/CL (4050300324005)/Obtainable in Europe, Singapore and Japan only through Canon/Lamp suitable for pulsed operation between 700...1000 W/Maximum permissible power 750 W for constant power operation

²⁾ 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

³⁾ Anode underneath

⁴⁾ Distance from end of base to tip of anode or cathode (cold)

⁵⁾ With cable connection (M 8)

⁶⁾ With cable connection (M6)

⁷⁾ Maximum permissible base temperature: 200 °C

⁸⁾ 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.