Technical Information

No. FO 4730

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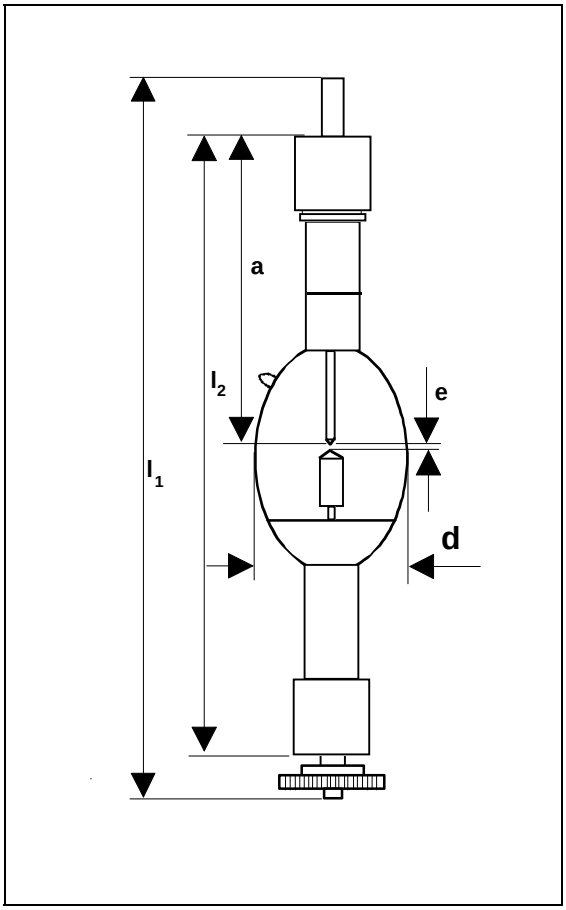
Substitutes: Edition 07/02
Status: valid

Mercury Short Arc Lamp
OEB/WEE applications

HBO® 250 W/BY

■ Product description

The OSRAM HBO® 250 W/BY belongs to the family of mercury short arc lamps, were the discharge arc burns in an atmosphere of high pressure mercury vapour. The HBO® 250 W/BY is a direct current, UV-emitting lamp type, which is used for **O**ptical **E**dge **B**ead/**W**afer **E**dge **E**xposure applications from different equipment manufacturers.



■ Technical Data

Order reference		HBO® 250 W/BY
Rated lamp wattage	W	250
Lamp voltage	V	40
Operating current (=)	A	6
Max. current ripple	%	5
Luminous flux	lm	12,500
Lamp length overall l_1	mm	max. 152
Lamp length l_2	mm	125
Bulb diameter	mm	20
LCL a	mm	62
Electrode gap e	mm	2
Guaranteed life	h	2,000
Bases		• Cathode: SFc 13-5 • Anode: SFc 13-5

■ Lamp operation

Maximum base temperature allowed	°C	230
Cooling		Forced base cooling
Burning position		Vertical, anode underneath

■ Safety Instruction

Due to their high luminous efficacy, the UV radiation which they emit and the high pressure within the lamp, HBO® lamps must be operated within enclosed, purpose-built housings. When a lamp breaks, mercury is released. Particular safety regulations must be observed (for details please request technical information sheet no. FO 4574).

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