Technical Information
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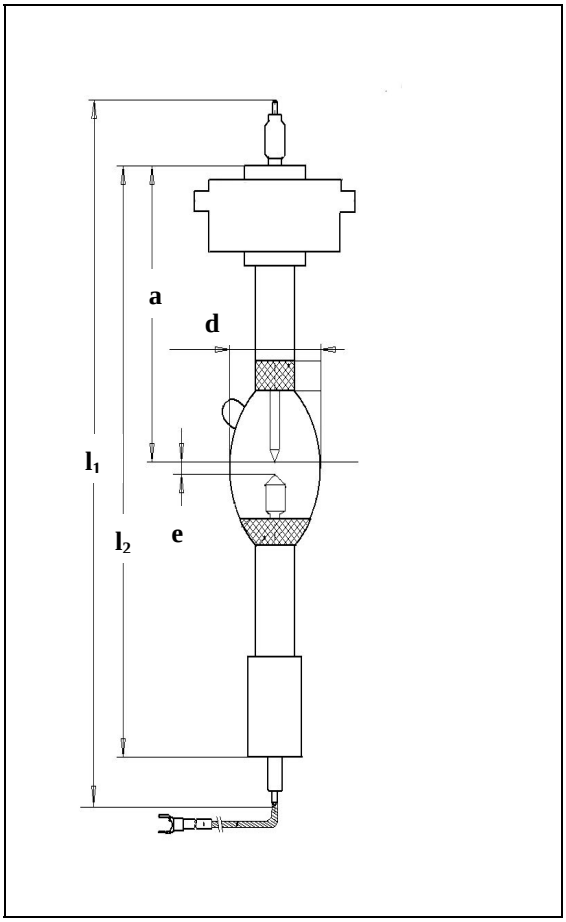
Mercury Short Arc Lamp
OEB/WEE applications

HBO® 250 W/HS

■ Product description

The OSRAM HBO® 250 W/HS belongs to the family of mercury short arc lamps, of which the discharge arc burns in an atmosphere of high pressure mercury vapour. The HBO® 250 W/HS is a direct current, UV-emitting lamp type, which is used for **O**ptical **E**dge **B**ead /**W**afer **E**dge **E**xposure in TEL tracks, ACT 8 and ACT 12



■ Technical Data

Order reference		HBO® 250 W/HS
Rated lamp wattage	W	250
Lamp voltage	V	40
Operating current (=)	A	6.25
Max. current ripple	%	5
Lamp length overall l_1	mm	max. 145
Lamp length l_2	mm	max. 127
Bulb diameter	mm	20
LCL a	mm	62
Electrode gap e	mm	2
Guaranteed life	h	2,000/2,500*
Bases		• Cathode: special • Anode: SFa 13-5/20

***** 2000 h for intensity, 2500 h for explosion

■ Lamp operation

Maximum base temperature allowed	°C	230
Cooling		Convection
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 paid attention (for details please request technical information sheet no. FO 4574).

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