

Technical Information

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Mercury Short Arc Lamp
OEB/WEE applications

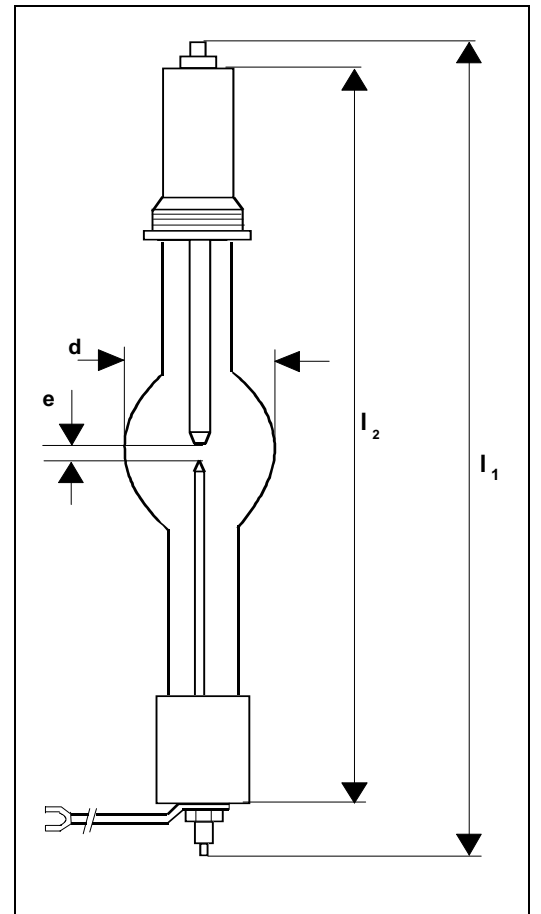
HBO[®] 201 W/HS-D2

■ Product description

The OSRAM HBO[®] 201 W/HS-D2 belongs to the family of mercury short arc lamps, where the discharge arc burns in an atmosphere of high pressure mercury vapour. The HBO[®] 201 W/HS-D2 is a direct current, UV-emitting lamp type, which is optimized for **Optical Edge Bead/Wafer Edge Exposure** applications in TEL equipment (Mark V, VII, VIII).

■ Technical Data

Order reference		HBO [®] 201 W/HS-D2
Rated lamp wattage	W	200
Lamp voltage	V	25
Operating current (=)	A	8
Max. current ripple	%	3
Lamp length overall l_1	mm	max. 150
Lamp length l_2	mm	max. 127
Bulb diameter d	mm	20
Electrode gap e	mm	2
Average service life	h	1,000
Explosion warranty	h	2,000



Bases	• Anode: SFcX 23-22
	• Cathode: SFcX 12-4/15

■ Lamp operation

Maximum base temperature allowed	°C	230
Cooling	Convection	
Burning position	vertical; anode upwards	

■ 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).

The lamp bears a high pressure even when cold. Appropriate safety goggles and protective clothing must be worn during installation.

