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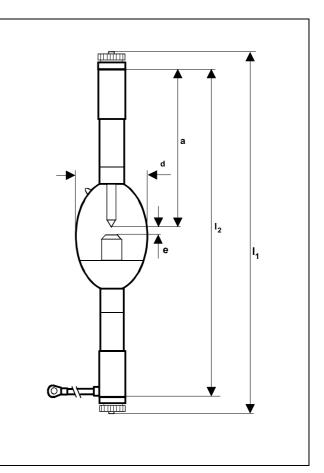
HBO[®] 5001 W/F

Product description

The OSRAM HBO[®] 5001 W/F is a direct current mercury short arc lamp designed for the manufacture of printed circuit boards and semiconductors. This lamp type emits a very high radiant intensity in the ultraviolet and visible wavelength range and is designed with the latest technology for a low intensity degradation over lifetime.

Technical data

Order reference	HBO [®]	5001 W/F	
Rated lamp wattage	W	5,000	
Rated lamp voltage	V	62	
Rated lamp current (=)	А	80	\square
Ignition voltage (cold)	kVs	max.	
Radiant intensity (350-450 nm) typical	mW/sr		
Electrode gap e (cold)	mm	7.9	
Lamp length (overall) I_1	mm	max.486	
Lamp length I2	mm	430	
Bulb diameter d	mm	85	
LCL a	mm	216	
Service life	h	1000 Maintenance	
		1500 Explosion	
Base		Cathode: SFXa 38- Anode: SFa 38-14/	14/65 65 with cable connection (M10)



Lamp operation

Maximum permissible base temperature	°C	200
Cooling		forced base cooling
Burning position		vertical, anode (+) down

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).

