

Technical Information

No. FO 4879

Edition: 06/02 - subject to change

Substitutes: Edition 01/99

Status: valid

Mercury Short Arc Lamp
for LCD manufacturing

HBO[®] 5000 W/C

■ Product description

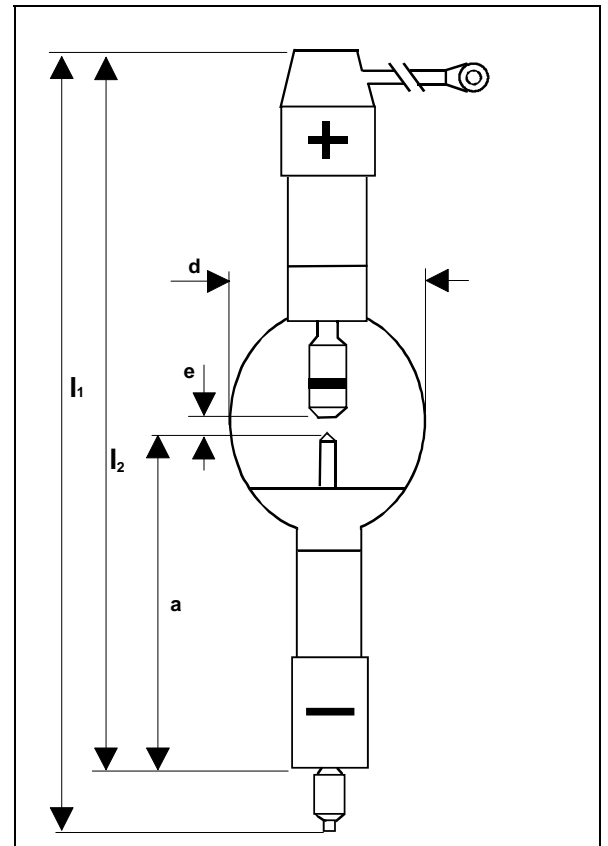
The OSRAM HBO[®] 5000 W/C is a direct current mercury short arc lamp designed for the manufacture of LCD. This lamp type emits a very high radiant intensity in the ultraviolet and visible wavelength range and is optimized for use in Canon equipment (MPA 5000).

■ Technical data

Order reference		HBO [®] 5000 W/C
Rated lamp wattage	W	max. 5,500
Rated lamp voltage	V	64
Rated lamp current (=)	A	67
Ignition voltage (cold)	kV _S	max. 10
Radiant intensity (wave length range 365 ± 2,5nm)	mW/sr	61,600
Electrode gap e (cold)	mm	6.0
Lamp length (overall) l ₁	mm	333/max. 355
Lamp length l ₂	mm	333
Bulb diameter d	mm	82
LCL a	mm	156
Explosion warranty	h	850

Base

- Cathode: SFc 33.5-12/50
- Anode: SFc 33.5-50 with cable connection (M10)



■ Lamp operation

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

■ 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).

