

Technical Information

No. FO 5141

Edition: 05/06 - subject to change

Substitutes: 03/03

Status: preliminary

Mercury Short Arc Lamp
for LCD manufacturing

HBO[®] 8000 W/C

■ Product description

The OSRAM HBO[®] 8000 W/C is a direct current mercury short arc lamp, designed for the manufacture of Liquid Crystal Displays (LCD). This lamp type emits a very high radiant intensity in the ultraviolet and visible wavelength range and is optimized for use in Canon illumination equipment MPA 5500/6000/7000/7500.

■ Technical data

Order reference		HBO [®] 8000 W/C
Power range	W	5,800 – 8,500
Setup lamp power	W	Max. 6,500
Rated lamp voltage@8KW	V	72
Rated lamp current@8KW	A	111
Electrode gap e (cold)	mm	7
Lamp length (overall) l_1	mm	max. 434
Lamp length l_2	mm	385.5
Bulb diameter d	mm	100
LCL a	mm	179
Explosion warranty	h	750

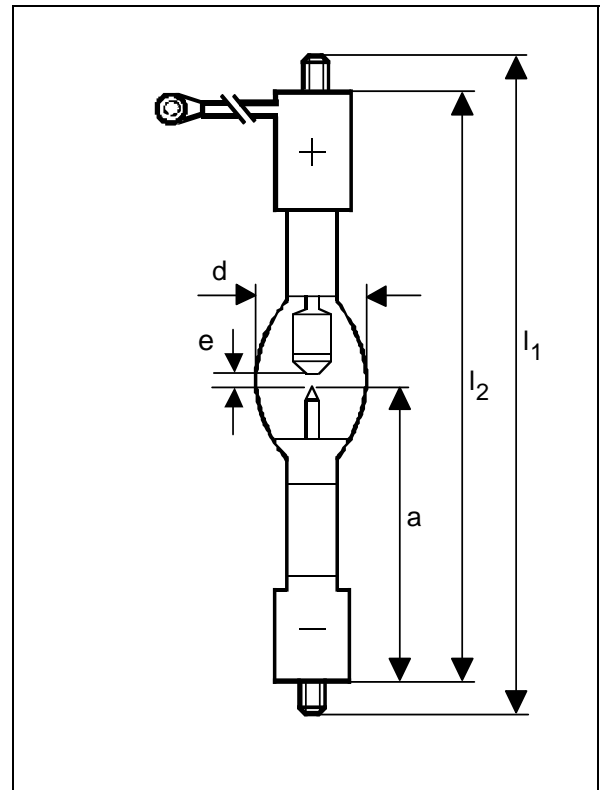
Base	• Cathode: SFa 40-12/45 • Anode: SfaX 40-13/50
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■ Lamp operation

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).



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■ Maintenance specification

