



XBO® 5000 W/HBM CL OFR

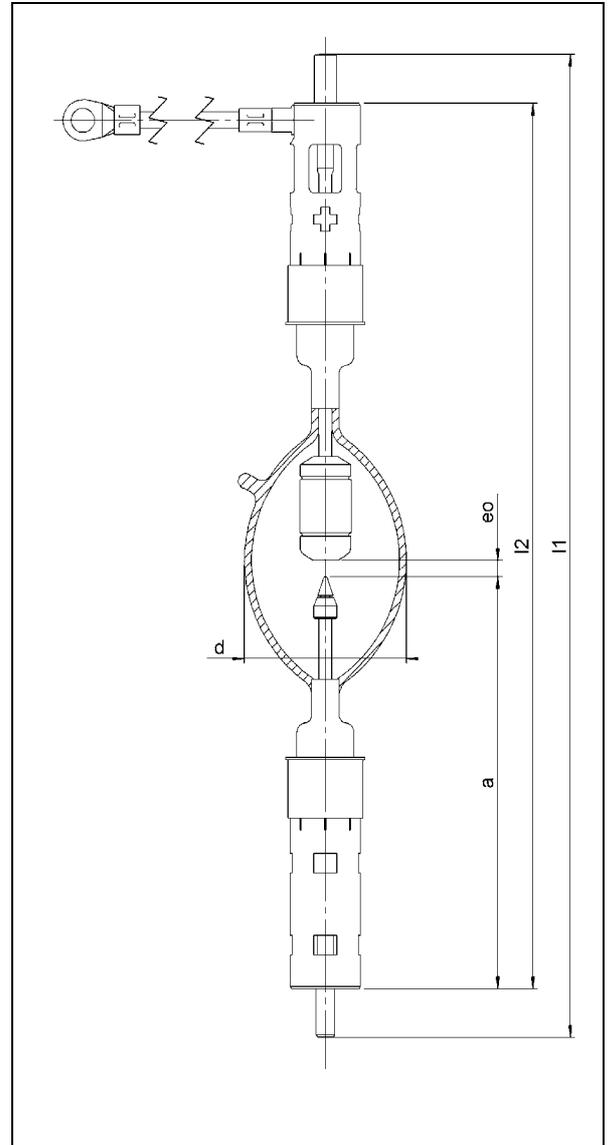
■ Product description

The OSRAM XBO® 5000 W/HBM CL OFR is a DC-operated lamp that is especially suited for applications requiring excellent arc stability and high luminance. The CL lamps, which stands for Classic Line, combines the classical Osram features with an optimization on bulb pricing and has the same warranty as the regular standard lamps.

■ Technical data

Order reference		XBO® 5000 W/HBMCLOFR
Rated lamp wattage	W	5000
Rated lamp voltage	V	34
Rated lamp current (=)	A	140
Current control range	A	100 - 150
Ignition voltage	kV _s	36
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	225000
Luminous intensity	cd	27000
Average luminance	cd/cm ²	95000
Luminous area w x h *)	mm	2.2 x 6.5
Electrode gap e (cold)	mm	7.5
Lamp length (overall) l ₁	mm	max. 436
Lamp length l ₂	mm	max. 393
LCL a	mm	170.5
Bulb diameter d	mm	60
Warranty	h	800
Base		Cathode: SFaX 30-7,9 Anode: SFaX 30-9.5
Cable length l _c	mm	400

*) w = luminance half width value; h = height of luminance area (corresponds to electrode gap, hot)



■ Lamp operation

Maximum permissible base temperature	°C	230
Cooling		Forced cooling / fan
Min. air flow velocity around discharge vessel	m/s	6
Magnetic arc stabilization		necessary for horizontal operation
Operating position		s 15 (vertical ± 15° ; anode up) ; p 15 (horizontal ± 15°)