

Technical Information

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Substitutes: new

Status: valid



XBO[®] 6000 W/HS CL OFR

Xenon Short Arc Lamp

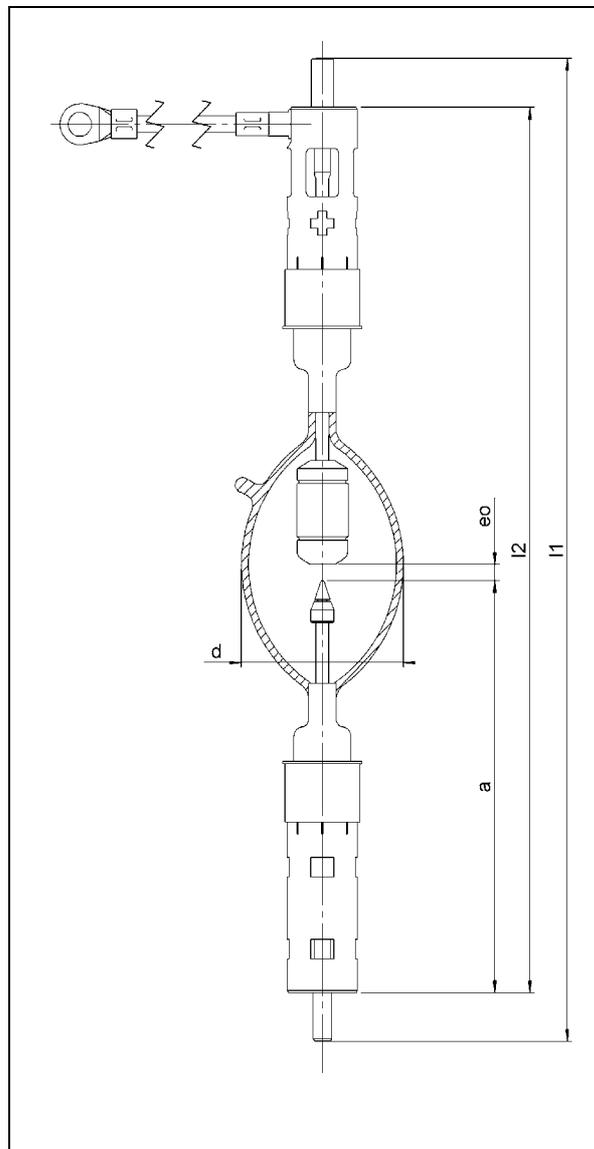
■ Product description

The OSRAM XBO[®] 6000 W/HS 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 [®] 6000 W/HS CL OFR	
Rated lamp wattage	W	5900
Rated lamp voltage	V	37
Rated lamp current (=)	A	160
Current control range	A	110 - 165
Ignition voltage	kV _P	40
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	280000
Luminous intensity	cd	40000
Average luminance	cd/cm ²	105000
Luminous area w x h *)	mm	2.0 x 7.5
Electrode gap e (cold)	mm	9,0
Lamp length (overall) l ₁	mm	max. 433
Lamp length l ₂	mm	max. 393
LCL a	mm	170,5
Bulb diameter d	mm	66
Warranty	h	500
Base	Cathode:	SFa 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	230°C
Cooling	forced cooling / fan
Min. air flow velocity around discharge vessel	6 m/s
Magnetic arc stabilization	necessary for horizontal operation
Burning position	s 15 (vertical ± 15° ; anode up) ; p 15 (horizontal ± 15°)