

Technical Information

No. 5624

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Status: valid



Xenon Short Arc Lamp

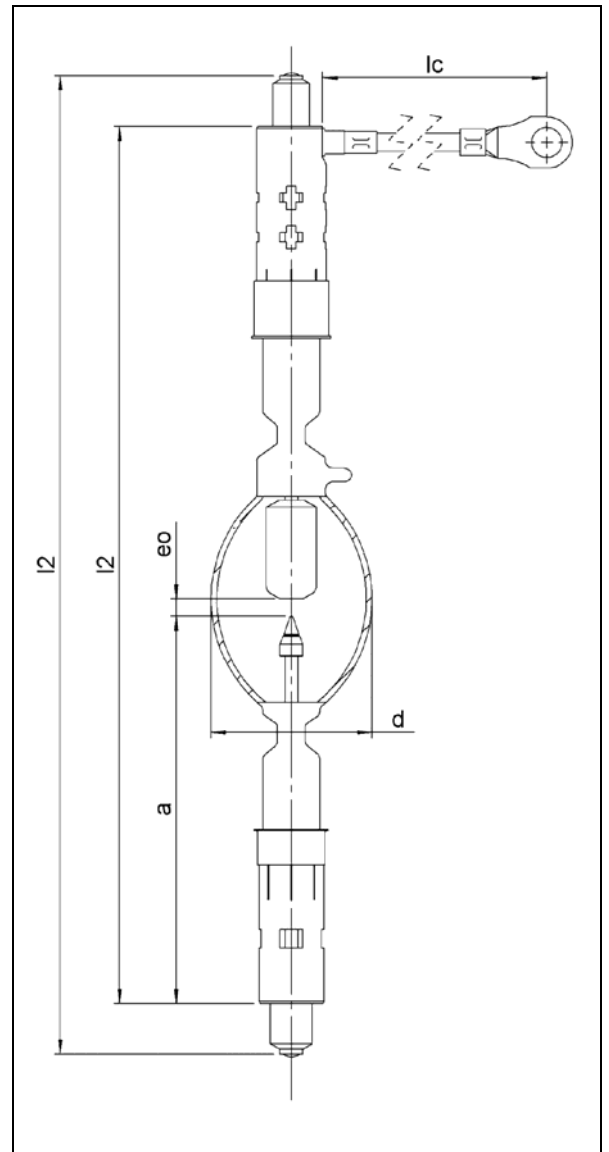
XBO[®] 5000 W/H CL OFR

■ Product description

The OSRAM XBO[®] 5000 W/H 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/H CL OFR	
Rated lamp wattage	W	5000
Rated lamp voltage	V	35
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. 433
Lamp length l ₂	mm	max. 382
LCL a	mm	167.5
Bulb diameter d	mm	60
Warranty	h	800
Base	Cathode	SFaX 28-18
	Anode	SFaX 30-16



Cable length l_c mm 560

*) 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/burning position		s 15 (vertical ± 15° ; anode up) ; p 15 (horizontal ± 15°)