

Technical Information

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Xenon Short Arc Lamp

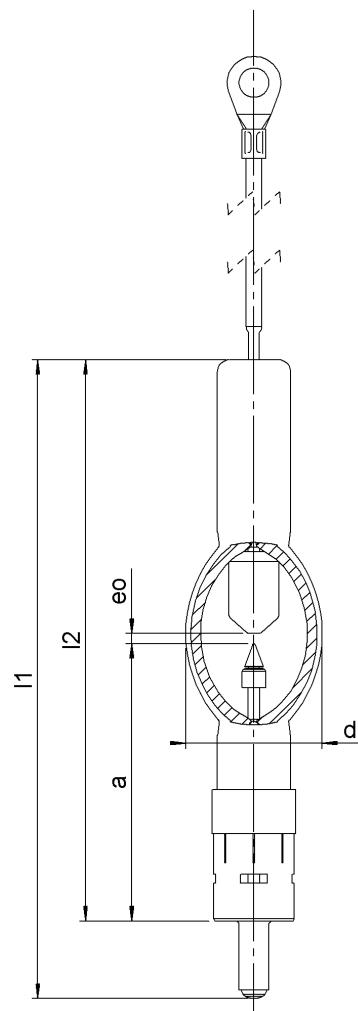
XBO® 2000 W/HP OFR

■ Product description

The OSRAM XBO® 2000 W/HP OFR is a DC operated lamp that is especially suited for applications requiring highest luminance and excellent arc stability. The XBO® 2000 W/HP OFR will fit to the new requirements for Video - Projection.

■ Technical data

Order reference	XBO® 2000 W/HP OFR	
Rated lamp wattage	W	2000
Rated lamp voltage	V	23
Rated lamp current (=)	A	90
Current control range	A	70 – 100
Ignition voltage	kVp	30
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	75,000
Luminous intensity	cd	8,000
Average luminance	cd/cm²	160,000
Luminous area w x h *)	mm	1.2 x 2.7
Electrode gap e (cold)	mm	3.5
Lamp length (overall) l1	mm	max. 240
Lamp length l2	mm	max. 215
LCL a	mm	95
Bulb diameter d, max.	mm	46,5
Average service life	h	500
Base	Cathode:SFcX27-8 Anode: cable , 300 mm	



*) b = luminance half width value; h = electrode gap (hot) of running lamp

■ Lamp operation

Maximum permissible base temperature	°C	230 / 300 at anode pin
Cooling requirements		forced cooling / fan
Min. air flow velocity around discharge vessel	m/s	7
Operating position		s 110 (vertical - 20° anode up)