

Technical Information

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Xenon Short Arc Lamp

XBO[®] 6500 W

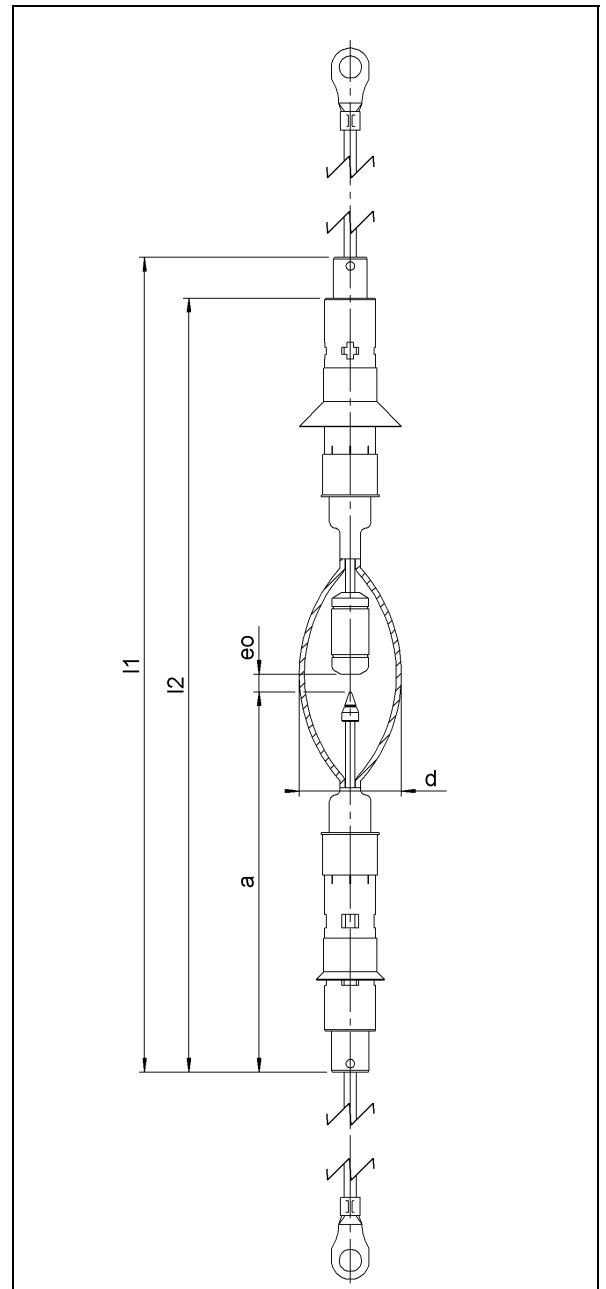
■ Product description

The OSRAM XBO[®] 6500 W is a DC-operated lamp that is especially suited for solar simulating applications requiring excellent arc stability and a high luminance. The OSRAM XBO[®] 6500 W is only designed for vertical burning position. The lamp is generating UV radiation, which produces ozone in surrounding air..

■ Technical data

Order reference	XBO [®] 6500 W	
Rated lamp wattage	W	6500
Rated lamp voltage	V	40
Rated lamp current (=)	A	160
Current control range	A	80 - 160
Ignition voltage	kV _P	44
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	325000
Luminous intensity	cd	32000
Average luminance	cd/cm ²	95000
Luminous area w x h *)	mm	2.3 x 9.0
Electrode gap e (cold)	mm	9,0
Lamp length (overall) l ₁	mm	max. 483
Lamp length l ₂	mm	max. 434
LCL a	mm	200
Bulb diameter d	mm	60
Average service life	h	500 vertical
Base	Cathode:	SFa 30-22
	Anode:	SFa 30-20

*) 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 10 (vertical ± 10° ; anode up)