Technical Information
No. 5628
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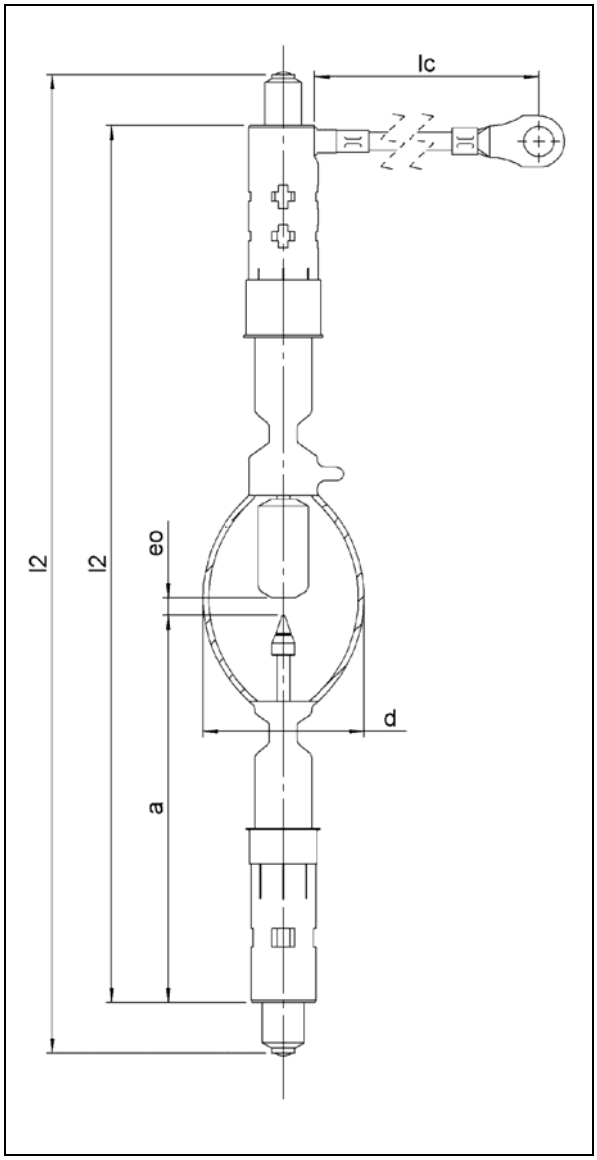
Substitutes: new
Status: valid

Xenon Short Arc Lamp

XBO® 6000 W/HS XL OFR

Product description

The OSRAM XBO® 6000 W/HS XL OFR is a DC-operated lamp, developed with the latest high brightness technology for XBO lamps. The XL lamps, which stands for Xtreme life, are strictly optimized on performance and have an increased warranty up to 50%.



Technical data

Order reference	XBO® 6000 W/HS XL 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	78
Warranty	**h**	**750**
Base	Cathode:	SFa 30-7,9
	Anode:	SFa X 30-9,5
Cable length lc	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°)