

Technical Information

No. 5606

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Xenon Short Arc Lamp

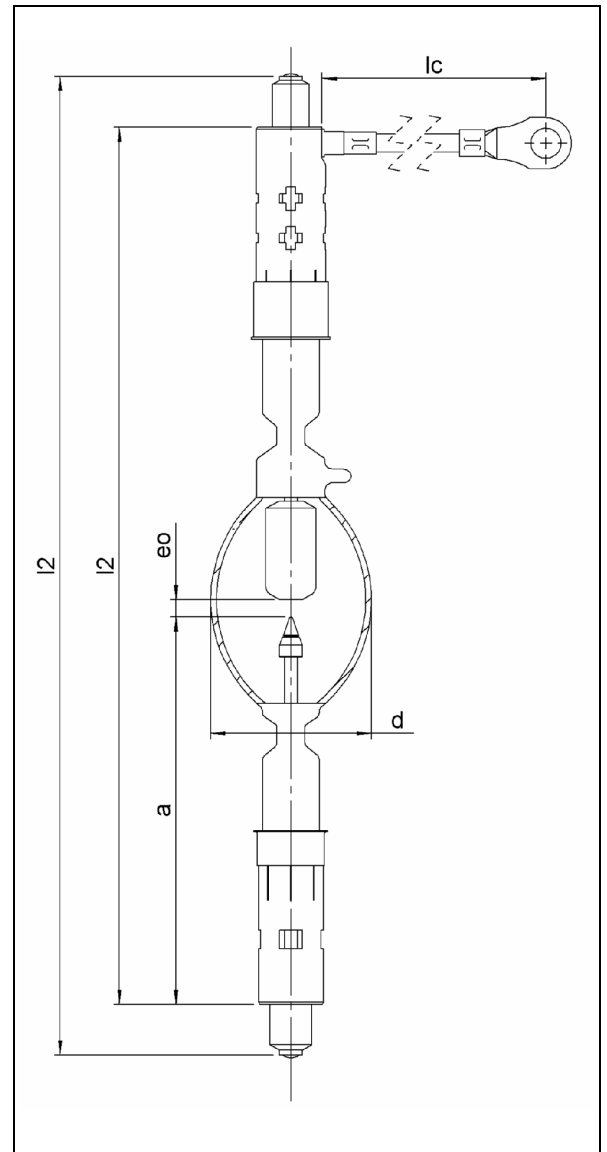
XBO[®] 5000 W/H XL OFR

■ Product description

The OSRAM XBO[®] 5000 W/H 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 [®] 5000 W/H 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. 424
Lamp length l ₂	mm max. 380
LCL a	mm 167.5
Bulb diameter d	mm 70
Warranty	h 1200
Base - lamp sockets	Cathode SFaX 28-18 Anode SFaX 30-16



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°)