

Technical Information

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Xenon Short Arc Lamp

XBO[®] 3000 W/HSLA OFR

■ Product description

OSRAM XBO[®] 3000 W/HSLA OFR. LA stands for Lumen Advanced. Produced with the latest high brightness XBO technology. A new generation of high light output lamps specially developed for applications requiring excellent arc stability and maximum efficiency of its luminance.

■ Technical data

Order reference	XBO [®] 3000 W/HSLA OFR	
Rated lamp wattage	W	3000
Rated lamp voltage	V	29
Rated lamp current (DC)	A	110
Current control range	A	60 - 120
Ignition voltage	kV _p	36
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	130000
Luminous intensity	cd	12000
Average luminance	cd/cm ²	105000
Luminous area w x h *)	mm	1.7 x 4.0
Electrode gap e (cold)	mm	5
Lamp length (overall) l ₁	mm	max. 342
Lamp length l ₂	mm	max. 302
LCL a	mm	145
Bulb diameter d	mm	54
Average service life	h	2000
Warranty	h	1500
Base	Cathode	SFa 27-7,9
	Anode	SFaX 27-9,5

*) w = luminance half width value; h = height of luminous area (corresponds to electrode gap, hot)

**) Using electronic rectifier with low current ripple

■ 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
Operating position	s 30 (vertical ± 30° anode up); p 30 (horizontal ± 30°)

