

# Technical Information

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Substitutes: new  
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# Xenon Short Arc Lamp

# XBO<sup>®</sup> 2000 W/H XL OFR

## ■ Product description

The OSRAM XBO<sup>®</sup> 2000 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 by up to 50%.

## ■ Technical data

Order reference	XBO <sup>®</sup> 2000 W/H XL OFR	
Rated lamp wattage	W	2000
Rated lamp voltage	V	28
Rated lamp current (DC)	A	70
Current control range	A	50 – 85
Ignition voltage	kV <sub>P</sub>	33
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	80000
Luminous intensity	cd	7500
Average luminance	cd/cm <sup>2</sup>	80000
Luminous area w x h *)	mm	1.3 x 4.8
Electrode gap e (cold)	mm	5,8
Lamp length (overall) l <sub>1</sub>	mm	max. 370
Lamp length l <sub>2</sub>	mm	max. 322
LCL a	mm	142,5
Bulb diameter d	mm	52
<b>Warranty</b>	<b>h</b>	<b>3.500</b>
Base	Cathode	SFaX 27-12
	Anode	SFaX 27-10

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

## ■ Lamp operation

Maximum permissible base temperature	230°C
Cooling requirements	forced cooling / fan necessary
Min. air flow velocity around discharge vessel	3 m/s
Operating position	s 30 (vertical ± 30°; anode up) ; p 30 (horizontal ± 30°)

