

# Technical Information

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# Xenon Short Arc Lamp

# XBO<sup>®</sup> 3000 W/HP3 OFR

## ■ Product description

The OSRAM XBO<sup>®</sup> 3000 W/HP3 OFR is a DC operated lamp that is especially suited for applications requiring highest luminance and excellent arc stability. The XBO<sup>®</sup> 3000 W/HP3 OFR will fit to the new requirements for video projection.

## ■ Technical data

Order reference	XBO <sup>®</sup> 3000 W/HP3 OFR	
Rated lamp wattage	W	3000
Rated lamp voltage	V	30
Rated lamp current (=)	A	100
Current control range	A	80 - 110
Ignition voltage	kV <sub>p</sub>	36
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	140000
Luminous intensity	cd	13500
Average luminance	cd/cm <sup>2</sup>	200000
Luminous area w x h *)	mm	1.3 x 3.5
Electrode gap e (cold)	mm	4.5
Lamp length (overall) l <sub>1</sub>	mm	max. 290
Lamp length l <sub>2</sub>	mm	max. 268
LCL a	mm	123
Bulb diameter d, max.	mm	55
Average service life	h	500
Base	Cathode	SFcX27-10
	Anode	cabl 300 mm

\*) w = luminance half width value; h = electrode gap (hot) of running lamp

## ■ Lamp operation

Maximum permissible base temperature	230 / 350°C at anode pin
Cooling requirements	forced cooling / fan
Min. air flow velocity around discharge vessel	7 m/s
Operating position anode up )	s 110 ( vertical - 20°

