

## Technical Information

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Substitutes: Edition 08/01

Status: valid

## Xenon Short Arc Lamp

# XBO<sup>®</sup> 3000 W/HP2 OFR

### ■ Product description

The OSRAM XBO<sup>®</sup> 3000 W/HP2 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/HP2 OFR will fit to the new requirements for video projection.

### ■ Technical data

Order reference	XBO <sup>®</sup> 3000 W/HP2 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. 268
Lamp length l <sub>2</sub>	mm	max. 290
LCL a	mm	123
Bulb diameter d, max.	mm	59
Average service life	h	500
Base	Cathode	SFcX27-10
	Anode	cabl 140 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	s 110 (vertical - 20°; anode up)

