

# Technical Information

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Xenon Short Arc Lamp

# XBO<sup>®</sup> 2200 W/HP OFR

## ■ Product description

The OSRAM XBO<sup>®</sup> 2200 W/HP OFR is a DC operated lamp that is especially suited for applications requiring highest luminance and excellent arc stability. The XBO<sup>®</sup> 2200 W/HP OFR will fit to the new requirements for Video - Projection.

## ■ Technical data

Order reference		XBO <sup>®</sup> 2200 W/HP OFR
Rated lamp wattage	W	2200
Rated lamp voltage	V	24
Rated lamp current (=)	A	92
Current control range	A	70 - 100
Ignition voltage	kVP	30
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	80000
Luminous intensity	cd	9000
Average luminance	cd/cm <sup>2</sup>	170000
Luminous area w x h *)	mm	1,2 x 2,7
Electrode gap e (cold)	mm	3,5
Lamp length (overall) l <sub>1</sub>	mm	max. 240
Lamp length l <sub>2</sub>	mm	max. 215
LCL a	mm	95
Bulb diameter d, max.	mm	46,5
Average service life	h	1000
Base		Cathode: SFcX27-10/45 Anode: cable, 125 mm

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

## ■ Lamp operation

Maximum permissible base temperature	°C	230 / 350 at anode pin (recommendation, reliability has to be tested in original projector)
Cooling requirements		forced cooling / fan
Min. air flow velocity around discharge vessel	m/s	7
Operating position		s 110 (vertical - 20°, anode up)

