

## Technical Information

No. FO 4951

Edition: 04/00 - subject to change

Substitutes: --/--

Status: preliminary

## Xenon Short Arc Lamp

# XBO<sup>®</sup> 2000 W/HP OFR

### ■ Product description

The OSRAM XBO<sup>®</sup> 2000 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> 2000 W/HP OFR will fit to the new requirements for Video - Projection.

### ■ Technical data

Order reference		XBO <sup>®</sup> 2000 W/HP OFR
Rated lamp wattage	W	2000
Rated lamp voltage	V	23
Rated lamp current (=)	A	90
Current control range	A	70 – 100
Ignition voltage	kVP	30
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	75,000
Luminous intensity	cd	8,000
Average luminance	cd/cm <sup>2</sup>	160,000
Luminous area w x h *)	mm	1.2 x 2.7
Electrode gap e (cold)	mm	3.5
Lamp length (overall) l1	mm	max. 240
Lamp length l2	mm	max. 215
LCL a	mm	95
Bulb diameter d, max.	mm	46,5
Average service life	h	500
Base		Cathode:SFcX27-8 Anode: cable , 300 mm

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

### ■ Lamp operation

Maximum permissible base temperature	°C	230 / 300 at anode pin
Cooling requirements		forced cooling / fan
Min. air flow velocity around discharge vessel	m/s	7
Operating position		s 110 ( vertical - 20°; anode up )

