

# Technical Information

No. 5469

Edition: 01/06 - subject to change

Substitutes: new

Status: valid

# Xenon Short Arc Lamp

## XBO<sup>®</sup> 6000 W/DTP OFR

### ■ Product description

The OSRAM XBO<sup>®</sup> 6000 W/DTP OFR. DTP stands for Digital Threaded Pin. Produced with the latest high brightness XBO technology. A new generation of high light output lamps specially developed for applications requiring excellent arc stability and maximum efficiency of its luminance.

### ■ Technical data

Order reference	XBO <sup>®</sup> 6000 W/DTP OFR	
Rated lamp wattage	W	6000
Rated lamp voltage	V	39
Rated lamp current (DC)	A	155
Current control range	A	140 - 175
Ignition voltage	kV <sub>P</sub>	40
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	
Luminous intensity	cd	
Average luminance	cd/cm <sup>2</sup>	
Luminous area w x h *)	mm	
Electrode gap e (cold)	mm	8.0
Lamp length (overall) l <sub>1</sub>	mm	max. 433
Lamp length l <sub>2</sub>	mm	max. 389
LCL a	mm	165
Bulb diameter d	mm	70
Average service life **)	h	1000
Warranty	h	600
Base	Cathode:	SFa 27-14
	Anode:	SFc 27-14

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

\*\*) Using electronic rectifier with low current ripple

### ■ Lamp operation

Maximum permissible base temperature	230°C
Cooling	forced cooling / fan
Min. air flow velocity around discharge vessel	6 m/s
Magnetic arc stabilization	necessary for horizontal operation
Burning position	s 15 (vertical ± 15°; anode up) ; p 15 (horizontal ± 15°)

