

Technical Information

No. 5609

Edition: 04/10 - subject to change

Substitutes: 02/10

Status: preliminary

Xenon Short Arc Lamp

XBO[®] 3000 W/DHP CL OFR

■ Product description

The OSRAM XBO[®] 3000 W/DHP CL OFR is a DC operated lamp, which especially has been designed for applications, requiring highest level of performance in luminance and excellent arc stability. The CL lamps, which stands for Classic Line, combines the classical Osram features with a strictly cost optimized bulb design. .

■ Technical data

Order reference	XBO [®] 3000 W/DHP CL OFR	
Rated lamp wattage	W	3000
Rated lamp voltage	V	29
Rated lamp current (=)	A	100
Current control range	A	60 - 110
Ignition voltage	kVP	40
Min. open circuit voltage for cold / hot ignition	V	100 / 120
Luminous flux	lm	135,000
Luminous intensity	cd	12,000
Average luminance	cd/cm ²	130,000
Luminous area w x h *)	mm	1,4 x 4
Electrode gap e (cold)	mm	5.0
Lamp length (overall) l ₁	mm	max. 345
Lamp length l ₂	mm	max. 295
LCL a	mm	123
Bulb diameter d, max.	mm	55
Service warranty **)	h	1900
Warranty 100%	h	1500
Base	Cathode: SFc27-16/45	
Anode side cable 130mm	Anode: SFaX27-14x80	

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

***) Covers rupture effects in the projector , like reflector and first filter in front of the lamp.

■ Lamp operation

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

