

Technical Information

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Xenon Short Arc Lamp

XBO[®] 2000 W/HTP CL OFR

■ Product description

The OSRAM XBO[®] 2000 W/HTP CL OFR is a DC-operated lamp that is especially suited for applications requiring excellent arc stability and a high luminance. The CL lamps, which stands for Classic Line, combines the classical Osram features with an optimization on bulb pricing and has the same warranty as the regular standard lamps.

■ Technical data

Order reference XBO[®] 2000 W/HTP CL OFR

Rated lamp wattage	W	2000
Rated lamp voltage	V	27
Rated lamp current (=)	A	70
Current control range	A	50 - 85
Ignition voltage	kV _s	33
Min. open circuit voltage for cold / hot ignition	V	75 / 100
Luminous flux	lm	80000
Luminous intensity	cd	7500
Average luminance	cd/cm ²	75000
Luminous area w x h ^{*)}	mm	1.3 x 4.8
Electrode gap e (cold)	mm	5.8
Lamp length (overall) L ₁	mm	max. 375
Lamp length L ₂	mm	max. 322
LCL a	mm	142,5
Bulb diameter d	mm	46
Warranty	h	2400

Base Cathode: SFc 25-14
Anode: SFa 25-14

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

■ Lamp operation

Maximum permissible base temperature	°C	230
Cooling	--	
Min. air flow velocity around discharge vessel	m/s	3
Magnetic arc stabilization	required in horizontal burning position	
Burning position	S 30 (vertical ± 30°; anode up) ; p 30 (horizontal ± 30°)	

