

Technical Information

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Xenon Short Arc Lamp

XBO[®] 900 W OFR

■ Product description

The OSRAM XBO[®] 900 W OFR is a DC-operated lamp that is especially suited for applications requiring excellent arc stability and a high luminance. The OSRAM XBO[®] 900 W OFR is designed for vertical burning position.

■ Technical data

Order reference	XBO [®] 900 W OFR	
Rated lamp wattage	W	900
Rated lamp voltage	V	19
Rated lamp current (DC)	A	45
Current control range	A	30 – 53
Ignition voltage	kV _p	30
Min. open circuit voltage for cold / hot ignition	V	60 / 70
Luminous flux	lm	30,000
Luminous intensity	cd	3,000
Average luminance	cd/cm ²	50,000
Luminous area w x h *)	mm	1.1 x 3.3
Electrode gap e (cold)	mm	4.0
Lamp length (overall) l ₁	mm	max. 325
Lamp length l ₂	mm	max. 277
LCL a	mm	123
Bulb diameter d	mm	40
Average service life	h	3,000
Warranty	h	2,400
Base	Cathode	SFa 25-12
	Anode	SFa 25-10

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

■ Lamp operation

Maximum permissible base temperature	230°C
Cooling requirements	no
Operating position	s 30 (vertical ± 30°; anode up)

