

Technical Information

No. 4187

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Substitutes: Edition 01/04

Status: valid

Xenon Short Arc Lamp

XBO[®] 2000 W/HTP OFR

■ Product description

The OSRAM XBO[®] 2000 W/HTP OFR is a DC-operated lamp that is especially suited for applications requiring excellent arc stability and a high luminance. The OSRAM XBO[®] 2000 W/HTP OFR is designed for horizontal burning position (H = horizontal, TP = threaded pin)

■ Technical data

Order reference	XBO [®] 2000 W/HTP 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 52
Average service life	h 3000
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°)

