

Technical Information

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Substitutes: Edition 01/04

Status: valid

Xenon Short Arc Lamp

XBO[®] 1000 W/HTP OFR

■ Product description

The OSRAM XBO[®] 1000 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[®] 1000 W/HTP OFR is designed for horizontal burning position (H = horizontal, TP = threaded pin)

■ Technical data

Order reference	XBO [®] 1000 W/HTP OFR	
Rated lamp wattage	W	1000
Rated lamp voltage	V	21
Rated lamp current (=)	A	45
Current control range	A	30 - 55
Ignition voltage	kV _s	33
Min. open circuit voltage for cold / hot ignition	V	65 / 80
Luminous flux	lm	35000
Luminous intensity	cd	3200
Average luminance	cd/cm ²	45000
Luminous area w x h ^{*)}	mm	1.0 x 4.0
Electrode gap e (cold)	mm	4.8
Lamp length (overall) L ₁	mm	max. 330
Lamp length L ₂	mm	max. 277
LCL a	mm	123,0
Bulb diameter d	mm	46
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	--
Magnetic arc stabilization	required in horizontal burning position	
Burning position	s 30 (vertical ± 30° ; anode up) ; p 30 (horizontal ± 30°)	

