

Technical Information

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Xenon Short Arc Lamp

XBO[®] 3600 W/HTM OFR

Product description

The OSRAM XBO[®] 3600 W/HTM OFR is a DC operated lamp that is especially suited for applications requiring excellent arc stability and a high luminance. The OSRAM XBO[®] 3600 W/HTC OFR is designed for horizontal burning position (H = horizontal, TM = thread modified).

Technical data

Order reference	XBO [®] 3600 W/HTC OFR	
Rated lamp wattage	W	3.600
Rated lamp voltage	V	29
Rated lamp current (=)	A	120
Current control range	A	80-130
Ignition voltage	kV _p	36
Min. open circuit voltage for cold / hot ignition	V	75/100
Luminous flux	lm	160.000
Luminous intensity	cd	16.000
Average luminance	cd/cm ²	85.000
Luminous area w x h *)	mm	1,9 x 6,0
Electrode gap e (cold)	mm	7
Lamp length (overall) l ₁	mm	max. 413
Lamp length l ₂	mm	max. 362
LCL a	mm	165
Bulb diameter d	mm	60
Average service life	h	1000
Base	Cathode:	SFc 28-13
	Anode:	SFc 28-13

*) w = half width value of light arc

h = light arc length during operation (electrode gap)

Lamp operation

Maximum permitted base temperature	230 °C
Cooling	forced cooling / fan
Min. air flow velocity around discharge vessel	6 m/s
Burning position	s 15 (vertical ± 15° , anode up) ; p 15 (horizontal ± 15°)

