

Technical Information

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Substitutes:
Status: valid

Xenon Short Arc Lamp

XBO[®] 2000 W/HPS OFR

■ Product description

The OSRAM XBO[®] 2000 W/HPS OFR is a DC operated lamp, which especially has been designed for applications, requiring highest level of performance in luminance and excellent arc stability. The XBO[®] 2000 W/HPS OFR will fit the latest technical Video - Projection requirements.

■ Technical data

Order reference		XBO [®] 2000 W/HPS OFR
Rated lamp wattage	W	2000
Rated lamp voltage	V	25
Rated lamp current (=)	A	80
Current control range	A	60-90
Ignition voltage	kV _P	36
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	80 000
Luminous intensity	cd	9 000
Average luminance	cd/cm ²	170 000
Luminous area w x h ¹⁾	mm	1.2 x 3.2
Arc instability ²⁾	%	< 15
Electrode gap e (cold)	mm	4.0
Lamp length (overall) l ₁	mm	max. 334
Lamp length l ₂	mm	max. 297
LCL a	mm	128
Bulb diameter d, max.	mm	46
Warranty	h	2000
Base		Cathode: SFc30-20/50 Anode: SFaX30-14/68

¹⁾ b = luminance half width value; h = electrode gap (hot) of running lamp

²⁾ to be measured in Osram standard optical setup

■ Lamp operation

Maximum permissible base temperature	°C	230
Cooling requirements		forced cooling / fan
Min. air flow velocity around discharge vessel	m/s	7
Operating position		s 110 (vertical - 20°; anode up)

