

Technical Information

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Xenon Short Arc Lamp

XBO[®] 3000 W/DTS OFR

■ Product description

The OSRAM XBO[®] 3000 W/DTS 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[®] 3000 W/DTS OFR will fit the latest technical Digital Cinema - Projection requirements.

■ Technical data

Order reference		XBO [®] 3000 W/DTS OFR
Rated lamp wattage	W	3000
Rated lamp voltage	V	30
Rated lamp current (=)	A	100
Current control range	A	70-110
Ignition voltage	kVP	40
Min. open circuit voltage for cold / hot ignition	V	100 / 120
Luminous flux	lm	140,000
Luminous intensity	cd	13,500
Average luminance	cd/cm ²	180,000
Luminous area w x h *)	mm	1,3 x 3,5
Electrode gap e (cold)	mm	4,5
Lamp length (overall) l ₁	mm	max. 335
Lamp length l ₂	mm	max. 285
Cable length l ₃	mm	---
LCL a	mm	125
Bulb diameter d, max.	mm	55
Warranty	h	1000
Base		Cathode: SFc27-14/55 Anode: SFa27-14x78

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

■ 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 70 (vertical ± 70° ; anode up) ; p 20 (horizontal ± 20°)

