

Technical Information

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Xenon Short Arc Lamp

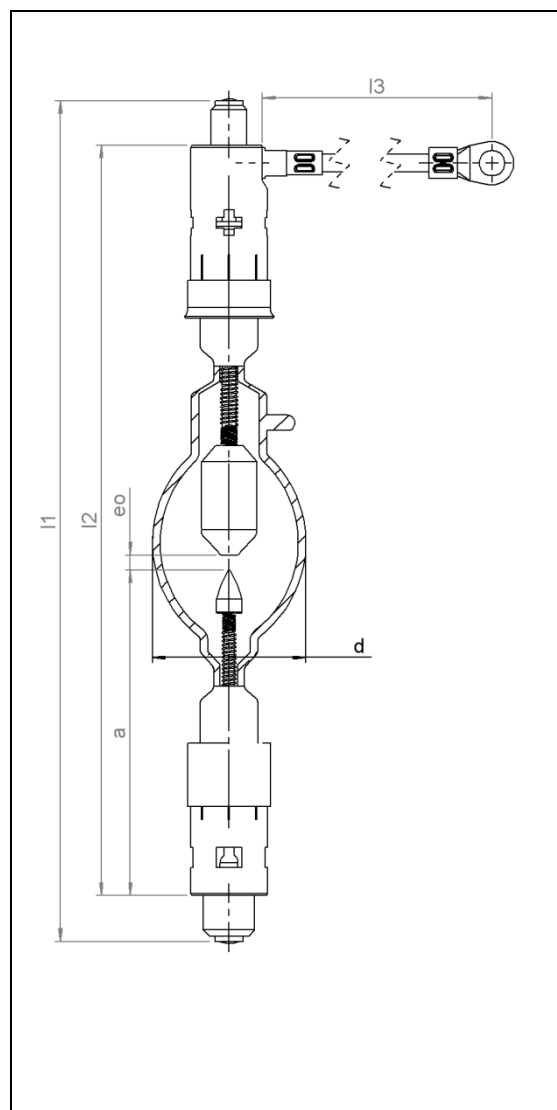
XBO[®] 4200 W/HPS LL OFR

■ Product description

The OSRAM XBO[®] 4200 W/HPS LL 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[®] 4200 W/HPS LL OFR will fit the latest technical digital cinema projection requirements and will perform best within Sony digital projectors (SRXR 320; 220; 210).

■ Technical data

Order reference	XBO [®] 4200 W/HPS LL OFR	
Maximal lamp wattage	W	4200
Half mode operation	W	2100
Rated lamp voltage	V	34
Rated lamp current (=)	A	122
Current control range	A	69 – 131
Ignition voltage	kV _p	37
Min. open circuit voltage for ignition	V	135
Electrode gap e ₀ (cold)	mm	5.9
Lamp length (overall) l ₁	mm	max. 334
Lamp length l ₂	mm	max. 297
Cable length l ₃	mm	max. 195+5
LCL a	mm	128
Bulb diameter d,	mm	60
Warranty	h	1000
Service Warranty	h	1200
Base	Cathode:	SFc30-20/60
	Anode:	SFaX30-14/68



■ 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 15 (vertical ± 15°; anode up) ; p 15 (horizontal ± 15°)	

Detailed electrical lamp operation is described in our Guidelines for Power Supplies and Igniters, no. DO GL- 5537