Technical Information

No. 5549

Edition: 01/08 - subject to change

Substitutes: 01/07 Status: valid

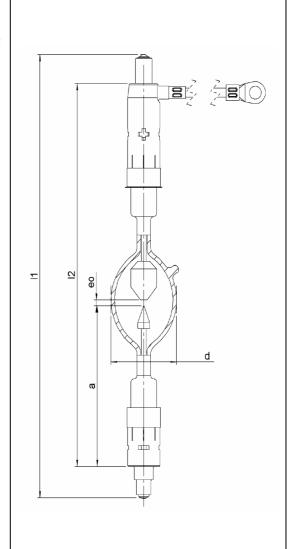
XBO® 3000 W/DHP OFR

Product description

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

■ Technical data

Order reference		XBO® 3000 W/DHP OFR
Rated lamp wattage	W	3000
Rated lamp voltage	V	30
Rated lamp current (=)	Α	90
Current control range	Α	60 - 100
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/cm2	180,000
Luminous area wxh *)	mm	1,3 x 3,5
	mm mm	1,3 x 3,5 4,5
Luminous area wxh *)		
Luminous area w x h *) Electrode gap e (cold)	mm	4,5
Luminous area w x h *) Electrode gap e (cold) Lamp length (overall) I ₁	mm mm	4,5 max. 345
Luminous area w x h *) Electrode gap e (cold) Lamp length (overall) I ₁ Lamp length I ₂	mm mm mm	4,5 max. 345 max. 295
Luminous area w x h *) Electrode gap e (cold) Lamp length (overall) I ₁ Lamp length I ₂ LCL a	mm mm mm	4,5 max. 345 max. 295 123
Luminous area w x h *) Electrode gap e (cold) Lamp length (overall) I ₁ Lamp length I ₂ LCL a Bulb diameter d, max.	mm mm mm mm	4,5 max. 345 max. 295 123 55



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

■ Lamp operation

Maximum permissable 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 u p)

