

Technical Information

No. 4664

Edition: 08/05 - subject to change

Substitutes: Edition 07/00

Status: valid

Xenon Short Arc Lamp

XBO[®] 4000 W/HTP OFR

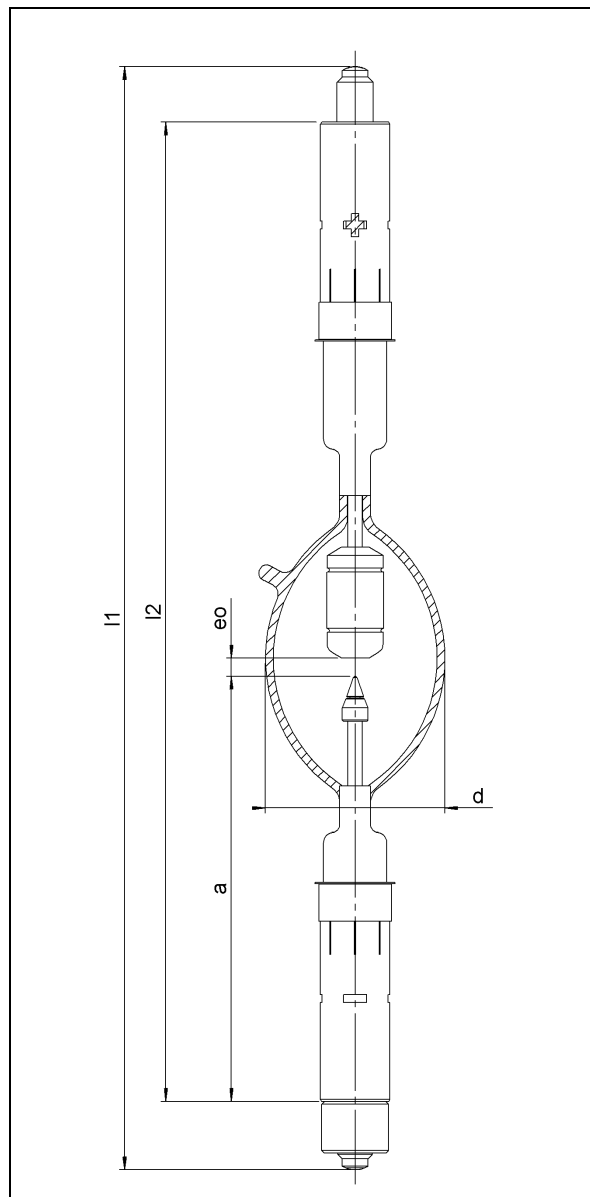
■ Product description

The OSRAM XBO[®] 4000 W/HTP OFR is a DC-operated lamp that is especially suited for applications requiring excellent arc stability and a high luminance. The OSRAM XBO[®] 4000 W/HTP OFR is designed for horizontal burning position (H = horizontal, TP = threaded pin).

■ Technical data

Order reference	XBO [®] 4000 W/HTP OFR	
Rated lamp wattage	W	4000
Rated lamp voltage	V	30
Rated lamp current (=)	A	130
Current control range	A	100 - 140
Ignition voltage	kV _s	36
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	155000
Luminous intensity	cd	16000
Average luminance	cd/cm ²	90000
Luminous area w x h ^{*)}	mm	1.9 x 6.0
Electrode gap e (cold)	mm	7.0
Lamp length (overall) L ₁	mm	max. 433
Lamp length L ₂	mm	max. 382
LCL a	mm	167.5
Bulb diameter d	mm	70
Average service life	h	1500
Warranty	h	1000
Base	Cathode: SFc 27-14 Anode: SFa 27-14	

*) w = luminance half width value; h = height of luminance area (corresponds to electrode gap, hot)



■ Lamp operation

Maximum permissible base temperature	°C	230
Cooling	forced cooling / fan	
Min. air flow velocity around discharge vessel	m/s	6
Magnetic arc stabilization	-	
Burning position	s 20 (vertical ± 20° ; anode up) ; p 20 (horizontal ± 20°)	