

Technical Information

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Substitutes: new

Status: valid



Xenon Short Arc Lamp

XBO[®] 4500 W/HS XL OFR

■ Product description

The OSRAM XBO[®] 4500 W/HS XL OFR is a DC-operated lamp, developed with the latest high brightness technology for XBO lamps. The XL lamps, which stands for Xtreme life, are strictly optimized on performance and have an increased warranty up to 50%.

■ Technical data

Order reference	XBO [®] 4500 W/HS XL OFR	
Rated lamp wattage	W	4500
Rated lamp voltage	V	32
Rated lamp current (=)	A	135
Current control range	A	80 - 150
Ignition voltage	kV _P	36
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	190000
Luminous intensity	cd	22000
Average luminance	cd/cm ²	105000
Luminous area w x h *)	mm	2,0 x 6.5
Electrode gap e (cold)	mm	7,5
Lamp length (overall) l ₁	mm	max. 410
Lamp length l ₂	mm	max. 370
LCL	a	171,0
Bulb diameter	d	70
Warranty	h	1400
Base	Cathode:	SFa 30-7,9
	Anode:	SFa X 30-9,5
Cable length l _c	mm	400

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

■ Lamp operation

Maximum permissible base temperature	230°C
Cooling	forced cooling / fan
Min. air flow velocity around discharge vessel	6 m/s
Magnetic arc stabilization	necessary for horizontal operation
Burning position	s 15 (vertical ± 15° ; anode up) ; p 15 (horizontal ± 15°)

