

Technical Information

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Status: valid



Xenon Short Arc Lamp

XBO® 1600 W XL OFR

■ Product description

The OSRAM XBO® 1600 W 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 by up to 50%.

■ Technical data

Order reference	XBO® 1600 W XL OFR
Rated lamp wattage	W 1,600
Rated lamp voltage	V 24
Rated lamp current (DC)	A 65
Current control range	A 45 – 75
Ignition voltage	kV _P 36
Min. open circuit voltage for cold / hot ignition	V 65 / 70
Luminous flux	lm 60.000
Luminous intensity	cd 6.000
Average luminance	cd/cm ² 65.000
Luminous area w x h *)	mm 1.4 x 4.0
Electrode gap e (cold)	mm 4.8
Lamp length (overall) l ₁	mm max. 370
Lamp length l ₂	mm max. 322
LCL a	mm 143
Bulb diameter d	mm 52
Warranty	h 3500
Base	Cathode SFa 27-12
	Anode SFa 27-10

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

■ Lamp operation

Maximum permissible base temperature	230°C
Cooling requirements	forced cooling / fan
Min. air flow velocity around discharge vessel	3 m/s
Operating position	s 30 (vertical ± 30°; anode up)

