

Technical Information

No. 5580

Edition: 01/07 - subject to change

Substitutes: Edition new

Status: valid



Xenon Short Arc Lamp

XBO® 2000 W/HTP XL OFR

■ Product description

The OSRAM XBO® 2000 W/HTP 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® 2000 W/HTP XL OFR

Rated lamp wattage	W	2000
Rated lamp voltage	V	28
Rated lamp current (=)	A	70
Current control range	A	50 - 85
Ignition voltage	kV _s	33
Min. open circuit voltage for cold / hot ignition	V	75 / 100
Luminous flux	lm	80000
Luminous intensity	cd	7500
Average luminance	cd/cm ²	75000
Luminous area w x h *)	mm	1.3 x 4.8
Electrode gap eo (cold)	mm	5.8
Lamp length (overall) L ₁	mm	max. 370
Lamp length L ₂	mm	max. 322
LCL a	mm	142,5
Bulb diameter d	mm	52

Warranty h **3500**

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	4
Magnetic arc stabilization		required in horizontal burning position
Burning position		S 30 (vertical ± 30°; anode up) ; p 30 (horizontal ± 30°)

