

# Technical Information

No. 5614

Edition: 03/08 - subject to change

Substitutes: new

Status: valid



# Xenon Short Arc Lamp

# XBO® 1600 W/HS XL OFR

## ■ Product description

The OSRAM XBO® 1600W/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 by up to 50%.

## ■ Technical data

Order reference XBO® 1600 W/HS XL OFR

Rated lamp wattage	W	1550
Rated lamp voltage	V	23
Rated lamp current (=)	A	65
Current control range	A	50 - 75
Ignition voltage	kV <sub>p</sub>	33
Min. open circuit voltage for cold / hot ignition	V	65 / 75
Luminous flux	lm	70000
Luminous intensity	cd	5500
Average luminance	cd/cm <sup>2</sup>	70000
Luminous area w x h *)	mm	1.0 x 3.2
Electrode gap e (cold)	mm	3.8
Lamp length (overall) l <sub>1</sub>	mm	max. 235
Lamp length l <sub>2</sub>	mm	max. 205
LCL a	mm	95
Bulb diameter d	mm	46

**Warranty h 2500**

Base

- Cathode: SFcX 27-8
- Anode: SFa 27-11

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

## ■ Lamp operation

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

