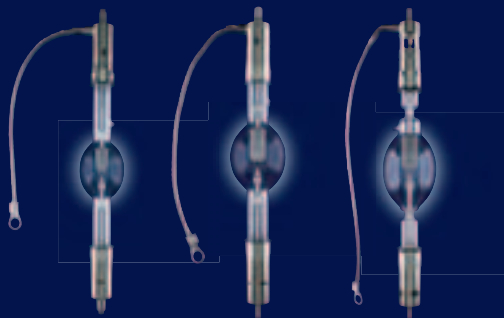




Best prepared for double features.

XBO® Xtreme Life – high-brightness technology optimized to provide the best XBO® theater lamp performance.



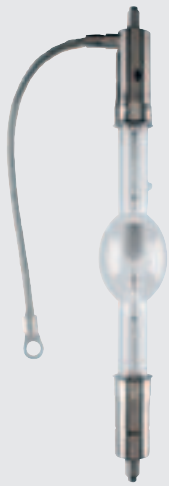
SEE THE WORLD IN A NEW LIGHT

OSRAM



Long life doesn't have to cost a fortune. XBO® Xtreme Life.

The new standard for cinema projection
lighting: maximum performance, up to 50 %
longer warranty, same price.



XBO® 1600W XL*

XBO® 1600W/HS XL*

XBO® 1600W/HSC XL*

XBO® 2000W/H XL*

XBO® 2000W/HTP XL*

XBO® 2000W/HS XL*

XBO® 3000W/H XL*

XBO® 3000W/HS XL*

XBO® 3000W/HTP XL*

XBO® 4000W/HS XL*

XBO® 4000W/HTP XL*

XBO® 4500W/HS XL*

XBO® 4500W/HTP XL*

XBO® 5000W/H XL*

XBO® 5000W/HBM XL*

XBO® 6000W/HS XL*

XBO® 6000W/HTP XL*

XBO® 7000W/HS XL*

A true success story. XBO® xenon short-arc lamps.

With the development of innovative lighting solutions, OSRAM has set milestones in special lamp applications right from the early days of the electric light. Consistent and focused development has led to superior discharge lamps with a pioneering impact – such as our XBO® lamps.

XBO® lamps are short-arc discharge lamps based on steady high-intensity arc discharge in pure xenon gas. They were developed by OSRAM in the 1950s. From the beginning, the application as a light source for commercial film projection was dominant.

XBO® lamps gained popularity in the early 1970s when OSRAM's research and development department succeeded in designing lamps for operation in the horizontal position. As a result of our developments, it was possible to increase the screen brightness by about 30 % and to offer cutting-edge technology.

Our innovation never stops.

The reliability and service life behavior of XBO® lamps have been steadily improved by the enhancement of:

- Pre-materials (e. g. electrodes)
- Lamp components
- Production processes (complete automation)

XBO® Xtreme Life

Complete redesign

Strict optimization on performance

Warranty increased up to 50 %

Same price as traditional XBO® lamps

Up to 30 % reduction in cost/hour**

** Lamps are replaced according to warranty



The main characteristics and benefits of XBO® lamps are:

- High luminance (point source)
- Color temperature approx. 6000 K – simulates daylight
- Continuous spectrum in the visible range
- High color rendering index (Ra > 95)
- High arc stability
- DC operation
- Hot restart

Get more for the same price.

Thanks to our leading-edge automated manufacturing process, XBO® Xtreme Life lamps have up to 50 % longer life than traditional XBO® lamps.

OSRAM is thus able to offer a longer warranty with the same maintenance service and for the same price as traditional XBO® lamps.

XBO® Xtreme Life lamps can replace equivalent wattage types, incorporate the latest high-brightness technology and deliver maximum performance in demanding film projection applications where excellent arc stability and high luminance are required.

KEY
ADVANTAGES

Xtreme life
Xtreme reliability
Xtreme brightness
Xtreme technology

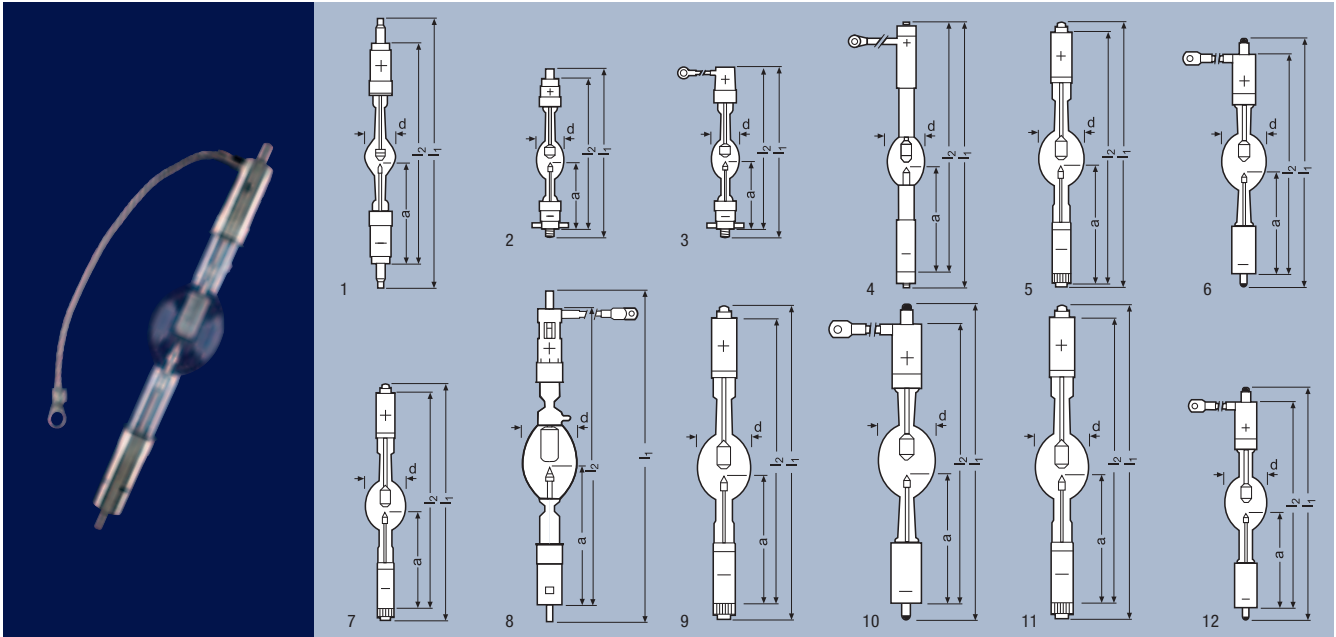


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The success story in numbers:

- 1949** Start of XBO® development
- 1954** First commercial film projection in the world: with first air-cooled XBO® 1000 W lamp
- 1970** XBO® lamps for horizontal operation
- 1980** Introduction of ozone-free quartz glass (OFR)
- 1983** OSRAM wins the Oscar® for the consistent improvement of the XBO® lamps
- 1998** First digital lamps
- 2001** Extended lamp life
- 2007** XBO® Xtreme Life

TECHNICAL DATA



Product reference	Lamp voltage (V)	Rated current (A)	Current control range (A)	Luminous flux (lm)	Luminous intensity (cd)	Average luminance (cd/cm ²)	Warranty life (h)	Fig. no.
XBO® Xtreme Life								
XBO 1600W XL OFR	24	65	45–75	60000	6000	65000	3500	1
XBO 1600W/HS XL OFR	23	65	50–75	70000	5500	65000	2500	2
XBO 1600W/HSC XL OFR	23	65	50–75	70000	5500	65000	2500	3
XBO 2000W/H XL OFR	28	70	50–85	80000	7500	80000	3500	4
XBO 2000W/HTP XL OFR	28	70	50–85	80000	7500	80000	3500	5
XBO 2500W/HS XL OFR	28	90	70–100	100000	10000	80000	2200	6
XBO 3000W/H XL OFR	29	100	60–110	130000	12000	90000	2200	6
XBO 3000W/HS XL OFR	29	100	60–110	130000	12000	90000	2200	6
XBO 3000W/HTP XL OFR	29	100	60–110	130000	12000	90000	2200	7
XBO 4000W/HS XL OFR	30	135	80–150	155000	17000	90000	1500	8
XBO 4000W/HTP XL OFR	30	135	80–150	155000	17000	90000	1500	9
XBO 4500W/HS XL OFR	32	135	80–150	190000	22000	105000	1400	10
XBO 4500W/HTP XL OFR	32	135	80–150	190000	22000	105000	1400	11
XBO 5000W/H XL OFR	35	140	100–150	225000	27000	95000	1200	12
XBO 5000W/HBM XL OFR	34	140	100–150	225000	27000	95000	1200	12
XBO 6000W/HS XL OFR	37	160	110–165	280000	40000	105000	750	12
XBO 6000W/HTP XL OFR	37	160	110–165	280000	40000	105000	750	7
XBO 7000W/HS XL OFR	42	160	110–165	350000	35000	100000	650	12

Traditional XBO® lamps can be replaced easily by XBO® Xtreme Life lamps, e. g.:

XBO® 1600W/HS OFR → XBO® 1600W/HS XL OFR

XBO® 4000W/HTP OFR → XBO® 4000W/HTP XL OFR

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