

## XBO DHP for digital cinema projection

Xenon short-arc lamps

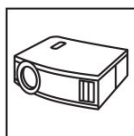


### Areas of application

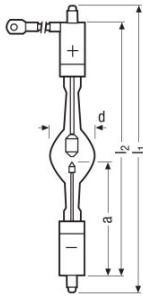
- Cinema projection

### Product family features

- Short arc with highest luminance for brighter screen illumination
- A lifetime of reliable performances with constant 6000 K color temperature
- Easy to maintain
- High level of arc stability
- Hot restart and instant light on screen
- Dimmable in a wide range



## Product family datasheet



---

Product line drawing

## Product family datasheet

### Technical data

Product description	Electrical data		Dimensions & weight			Temperatures & operating conditions	Lifespan	
	Nominal current	Current control range	Length	Length with base excl. base pins/connection	Light center length (LCL)	Max. permitted ambient temp. pinch point	Lifespan	Service Warranty Lifetime
XBO 1200 W/DHP OFR	57.0 A	41...63 A	345.0 mm	295.00 mm	123.0 mm <sup>1)</sup>	230 °C	3000 h	3800 h
XBO 1600 W/DHP OFR	78.0 A	57...86 A	345.0 mm	295.00 mm	123.0 mm <sup>1)</sup>	230 °C	3000 h	3800 h
XBO 2000 W/DHP OFR	87.0 A	64...95 A	345.0 mm	295.00 mm	123.0 mm <sup>1)</sup>	230 °C	2400 h	3000 h
XBO 2000 W/DHP L OFR	87.0 A	64...95 A	345.0 mm	295.00 mm	123.0 mm <sup>1)</sup>	230 °C	3300 h	3500 h
XBO 2200 W/DHP OFR	90.0 A	68...95 A	345.0 mm	295.00 mm	123.0 mm <sup>1)</sup>	230 °C	1500 h	2000 h
XBO 2500 W/DHP OFR	88.0 A	63...95 A	345.0 mm	295.00 mm	123.0 mm <sup>1)</sup>	230 °C	1700 h	2000 h
XBO 3000 W/DHS OFR	105 A	77...113 A	342.0 mm	302.00 mm	145.0 mm <sup>1)</sup>	230 °C	1500 h	2000 h
XBO 3000 W/DHP OFR	105 A	77...113 A	345.0 mm	295.00 mm	123.0 mm <sup>1)</sup>	230 °C	1500 h	1900 h
XBO 3000 W/DHP L OFR	103 A	76...111 A	345.0 mm	295.00 mm	123.0 mm <sup>1)</sup>	230 °C	1900 h	2100 h
XBO 4000 W/DHP L OFR	128 A	95...137 A	345.0 mm	295.00 mm	123.0 mm <sup>1)</sup>	230 °C	1300 h	1500 h
XBO 4000 W/DHP OFR	120 A	91...130 A	345.0 mm	295.00 mm	123.0 mm <sup>1)</sup>	230 °C	1100 h	1400 h
XBO 4500 W/DHP OFR	150 A	108...155 A	436.0 mm	393.00 mm	170.5 mm <sup>1)</sup>	230 °C	1000 h	1300 h
XBO 4500 W/DHP L OFR	150 A	108...155 A	436.0 mm	393.00 mm	170.5 mm <sup>1)</sup>	230 °C	1300 h	1500 h
XBO 6000 W/DHP OFR	165 A	131...174 A	436.0 mm	393.00 mm	170.5 mm <sup>1)</sup>	230 °C	650 h	800 h

## Product family datasheet

Product description	Electrical data		Dimensions & weight			Temperatures & operating conditions	Lifespan	
	Nominal current	Current control range	Length	Length with base excl. base pins/connection	Light center length (LCL)	Max. permitted ambient temp. pinch point	Lifespan	Service Warranty Lifetime
XBO 6000 W/DHP L OFR	165 A	131...174 A	436.0 mm	393.00 mm	170.5 mm <sup>1)</sup>	230 °C	800 h	1000 h
XBO 6500 W/DHP OFR	165 A	133...173 A	436.0 mm	393.00 mm	170.5 mm <sup>1)</sup>	230 °C	500 h	750 h
XBO 6500 W/DHP L OFR	165 A	133...173 A	436.0 mm	393.00 mm	170.5 mm <sup>1)</sup>	230 °C	700 h	800 h
XBO 6500 W/DHP XL OFR	165 A	133...173 A	436.0 mm	393.00 mm	170.5 mm <sup>1)</sup>	230 °C	800 h	900 h
XBO 7000W/DHP OFR	170 A	130...175 A	436.0 mm	393.00 mm	170.5 mm <sup>1)</sup>	230 °C	400 h	500 h

Product description	Additional product data	Capabilities	
	Base anode (standard designation)	Cooling	Burning position
XBO 1200 W/DHP OFR	SFaX30-14	Forced	s15/p15 <sup>2)</sup>
XBO 1600 W/DHP OFR	SFaX30-14	Forced	s15/p15 <sup>2)</sup>
XBO 2000 W/DHP OFR	SFaX30-14	Forced	s15/p15 <sup>2)</sup>
XBO 2000 W/DHP L OFR	SFaX30-14	Forced	s15/p15 <sup>2)</sup>
XBO 2200 W/DHP OFR	SFaX27-14x80	Forced	s15/p15 <sup>2)</sup>
XBO 2500 W/DHP OFR	SFaX27-14x80	Forced	s15/p15 <sup>2)</sup>
XBO 3000 W/DHS OFR	SFaX27-9.5	Forced	s15/p15 <sup>2)</sup>
XBO 3000 W/DHP OFR	SFaX27-14x80	Forced	s15/p15 <sup>2)</sup>
XBO 3000 W/DHP L OFR	SFaX27-14x80	Forced	s15/p15 <sup>2)</sup>
XBO 4000 W/DHP L OFR	SFaX27-14x80	Forced	s15/p15 <sup>2)</sup>
XBO 4000 W/DHP OFR	SFaX27-14x80	Forced	s15/p15 <sup>2)</sup>
XBO 4500 W/DHP OFR	SFaX30-9.5	Forced	s15/p15 <sup>2)</sup>

## Product family datasheet

Product description	Additional product data	Capabilities	
	Base anode (standard designation)	Cooling	Burning position
XBO 4500 W/DHP L OFR	SFaX30-9.5	Forced	s15/p15 <sup>2)</sup>
XBO 6000 W/DHP OFR	SFaX30-9.5	Forced	s15/p15 <sup>2)</sup>
XBO 6000 W/DHP L OFR	SFaX30-9.5	Forced	s15/p15 <sup>2)</sup>
XBO 6500 W/DHP OFR	SFaX30-9.5	Forced	s15/p15 <sup>2)</sup>
XBO 6500 W/DHP L OFR	SFaX30-9.5	Forced	s15/p15 <sup>2)</sup>
XBO 6500 W/DHP XL OFR	SFaX30-9.5	Forced	s15/p15 <sup>2)</sup>
XBO 7000W/DHP OFR	SFaX30-9.5	Forced	s15/p15 <sup>2)</sup>

<sup>1)</sup> Distance from end of base to tip of electrode (cold)

<sup>2)</sup> For vertical burning position: anode (+) on top

## Product family datasheet

---

### Safety advice

Because of their high luminance, UV radiation and internal pressure in both the hot and cold state, XBO lamps may only be operated in enclosed lamp casings specially constructed for the purpose. Xenon lamps are highly explosive. When hot, xenon lamps can cause burn marks. They should only be handled when the lamp is at room temperature. Always use the protective jackets supplied when handling these lamps. When packing the lamps and when installing or removing the lamps without their protective jackets, always wear protective clothing (face shield with neck protector, protective jacket and lint-free, cut-resistant gloves). For more information see the relevant in-pack leaflets and operating instructions.

---

### Application advice

For more detailed application information and graphics please see product datasheet.

---

### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.