

XBO HSLA for Digital Projectors



Areas of application

- Digital Cinema Projection

Product features and benefits

- High luminance for brighter screen illumination
- A lifetime of consistent performances with constant 6000 K color temperature
- Easy to maintain
- High arc stability
- Hot restart for instant light on screen
- Dimmable over a wide range



Product family datasheet

Technical data

Product description	General Product Information	Electrical Data		Photometric Data
	Global order reference	Nominal wattage	Current control range	Light center length (LCL)
XBO 4500 W/HSLA OFR ¹⁾	XBO 4500 W/HSLA OFR	4500 W	108...155 A	171.0 mm ²⁾
XBO 6000 W/HSLA OFR	XBO 6000 W/HSLA OFR	6000 W	135...170 A	171.0 mm ²⁾
XBO 6500 W/HSLA OFR	XBO 6500 W/HSLA OFR	6500 W	133...173 A	171.0 mm ²⁾

Product description	Nominal luminous flux	Physical Attributes & Dimensions		
		Electrode gap (cold)	Base (anode)	Base (cathode)
XBO 4500 W/HSLA OFR ¹⁾		6.0 mm	SFaX30-9.5	SFa30-7.9
XBO 6000 W/HSLA OFR	280000 lm	7.5 mm	SFaX30-9.5	SFa30-7.9
XBO 6500 W/HSLA OFR		7.5 mm	SFaX30-9.5	SFa30-7.9

Product description	Diameter (in)	Diameter	Diameter	Length
XBO 4500 W/HSLA OFR ¹⁾	2.362 in	60.0 mm	60.0 mm	413.0 mm
XBO 6000 W/HSLA OFR	2.756 in	78.0 mm	78.0 mm	436.0 mm
XBO 6500 W/HSLA OFR	2.756 in	78.0 mm	78.0 mm	436.0 mm

Product description	Length with base excl. base pins/connection	Cable/wire length, input side	Connector: presence	Product weight
XBO 4500 W/HSLA OFR ¹⁾	370.00 mm	400 mm	Yes	907.00 g
XBO 6000 W/HSLA OFR	393.00 mm	400 mm	Yes	1050.00 g
XBO 6500 W/HSLA OFR	393.00 mm	400 mm	Yes	1030.00 g

Product description	Operating Conditions			Lifetime Data
	Burning position	Cooling	Max. permitted ambient temp. pinch point	Warranty hours
XBO 4500 W/HSLA OFR ¹⁾	s15/p15 ³⁾	Forced	230 °C	1000 hrs
XBO 6000 W/HSLA OFR	s15/p15 ³⁾	Forced	230 °C	600 hrs
XBO 6500 W/HSLA OFR	s15/p15 ³⁾	Forced	230 °C	500 hrs

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		Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)		
Product description	Service warranty lifetime	Primary article identifier	Declaration no. in SCIP database	Candidate list substance 1
XBO 4500 W/HSLA OFR ¹⁾	1300 hr	4008321372710 4062172030564	80538bc5-de93-4c25-81f1-59a5f7b0e377	Lead
XBO 6000 W/HSLA OFR	800 hr	4008321549716 4052899144057 4062172030656	f210b8f7-ea45-4487-a198-f004ed7ee156	Lead
XBO 6500 W/HSLA OFR	750 hr	4062172030748 4008321676085	54a0b8c9-5d0c-4655-94d0-00e207b643a5	Lead

Product description	CAS No. of substance 1	Safe use instruction
XBO 4500 W/HSLA OFR ¹⁾	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 6000 W/HSLA OFR	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 6500 W/HSLA OFR	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

¹⁾ H = Suitable for horizontal burning position/S = Short/LA=Lumen Advanced (High Efficiency lamp)

²⁾ Distance from end of base to tip of electrode (cold)

³⁾ 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.