XBO HSLA for Digital Projectors

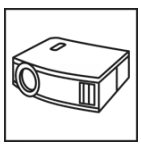
High performance, long lasting digital cinema lamps

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



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Product family datasheet

Technical data

	General Product Information	Electrical Data		Photometric Data
Product description	**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)]

		Physical Attributes & Dimensions		
Product description	**Nominal luminous flux**	**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**	**Diameter (in)**	**Length**	**Length with base excl. base pins/connection**
XBO 4500 W/HSLA OFR [1)]	60.0 mm	2.362 in	413.0 mm	370.00 mm
XBO 6000 W/HSLA OFR	78.0 mm	2.756 in	436.0 mm	393.00 mm
XBO 6500 W/HSLA OFR	78.0 mm	2.756 in	436.0 mm	393.00 mm

				Operating Conditions
Product description	**Cable/wire length, input side**	**Connector: presence**	**Product weight**	**Burning position**
XBO 4500 W/HSLA OFR [1)]	400 mm	Yes	907.00 g	s15/p15 [3)]
XBO 6000 W/HSLA OFR	400 mm	Yes	1050.00 g	s15/p15 [3)]
XBO 6500 W/HSLA OFR	400 mm	Yes	1030.00 g	s15/p15 [3)]

			Lifetime Data	
Product description	**Cooling**	**Max. permitted ambient temp. pinch point**	**Warranty hours**	**Service warranty lifetime**
XBO 4500 W/HSLA OFR [1)]	Forced	230 °C	1000 hrs	1300 hr
XBO 6000 W/HSLA OFR	Forced	230 °C	600 hrs	800 hr
XBO 6500 W/HSLA OFR	Forced	230 °C	500 hrs	750 hr

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	Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)			
Product description	**Primary article identifier**	**Declaration no. in SCIP database**	**Candidate list substance 1**	**CAS No. of substance 1**
XBO 4500 W/HSLA OFR [1)]	4008321372710 | 4062172030564	80538bc5-de93-4c25-81f1-59a5f7b0e377	Lead	7439-92-1
XBO 6000 W/HSLA OFR	4008321549716 | 4052899144057 | 4062172030656	f210b8f7-ea45-4487-a198-f004ed7ee156	Lead	7439-92-1
XBO 6500 W/HSLA OFR	4062172030748 | 4008321676085	54a0b8c9-5d0c-4655-94d0-00e207b643a5	Lead	7439-92-1

Product description	**Safe use instruction**
XBO 4500 W/HSLA OFR [1)]	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 6000 W/HSLA OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 6500 W/HSLA OFR	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

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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.

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