

XBO HSLA 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

Technical data

Product description	Electrical data		Dimensions & weight			
	Nominal wattage	Current control range	Diameter	Length	Length with base excl. base pins/connection	Light center length (LCL)
XBO 4500 W/HSLA OFR ¹⁾	450000 W	108...155 A	600 mm	4130 mm	370.00 mm	171.0 mm ²⁾
XBO 6000 W/HSLA OFR	600000 W	135...170 A	780 mm	4360 mm	393.00 mm	171.0 mm ²⁾
XBO 6500 W/HSLA OFR	650000 W	133...173 A	780 mm	4360 mm	393.00 mm	171.0 mm ²⁾

Product description	Cable/wire length, input side	Product weight	Cable length	Electrode gap cold	Temperatures & operating conditions
					Max. permitted ambient temp. pinch point
XBO 4500 W/HSLA OFR ¹⁾	400 mm	90700 g	4000	6.0 mm	230 °C
XBO 6000 W/HSLA OFR	400 mm	105000 g	4000	7.5 mm	230 °C
XBO 6500 W/HSLA OFR	400 mm	109000 g	4000	7.5 mm	230 °C

Product description	Lifespan		Additional product data	
	Lifespan	Service Warranty Lifetime	Base anode (standard designation)	Base cathode (standard designation)
XBO 4500 W/HSLA OFR ¹⁾	1000 h	1300 h	SFaX30-9.5	SFa30-7.9
XBO 6000 W/HSLA OFR	650 h	800 h	SFaX30-9.5	SFa30-7.9
XBO 6500 W/HSLA OFR	500 h	750 h	SFaX30-9.5	SFa30-7.9

Product description	Capabilities		Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
	Burning position	Cooling	Date of Declaration	Primary Article Identifier
XBO 4500 W/HSLA OFR ¹⁾	s15/p15 ³⁾	Forced	05-03-2024	4008321372710 4062172030564
XBO 6000 W/HSLA OFR	s15/p15 ³⁾	Forced	05-03-2024	4008321549716 4052899144057 4062172030656
XBO 6500 W/HSLA OFR	s15/p15 ³⁾	Forced	05-03-2024	4008321676085 4062172030748

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Product description	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
XBO 4500 W/HSLA OFR ¹⁾	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	80538bc5-de93-4c25-81f1-59a5f7b0e377
XBO 6000 W/HSLA OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	f210b8f7-ea45-4487-a198-f004ed7ee156
XBO 6500 W/HSLA OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	54a0b8c9-5d0c-4655-94d0-00e207b643a5

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.