

XBO for NEC Projectors

Areas of application

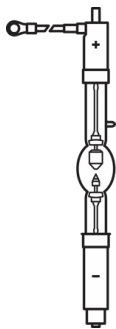
- Digital Cinema Projection



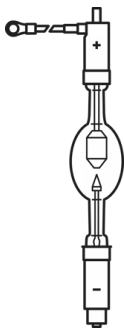
Product features and benefits

- High luminance for brighter screen illumination
- A lifetime of consistent performances with constant 6000 K color temperature
- Continuous spectrum in the visible range
- High arc stability
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- Dimmable over a wide range
- Hot restart

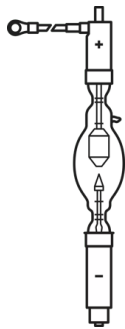




XBO Xenon Short Arc Lamp



XBO Digital Xenon Short Arc Lamp



Xenon Short Arc Lamp

Product family datasheet

Technical data

Product description	General Product Information			
	Product number (Americas)	Product name (Americas)	Global order reference	Lamp type
XBO 1200 W/HPN OFR	69079	XBO 1200W/HPN 1/CS 1/SKU	XBO 1200 W/HPN OFR	
XBO 2000 W/HPN L OFR	68885	XBO 2000W/HPN L 1/CS 1/SKU	XBO 2000 W/HPN L OFR	
XBO 3000 W/HPN OFR	69084	XBO 3000W/HPN 1/CS 1/SKU	XBO 3000 W/HPN OFR	
XBO 3000 W/HPN L OFR	68840	XBO 3000W/HPN L 1/CS 1/SKU	XBO 3000 W/HPN L OFR	
XBO 4000 W/HPN OFR	69060	XBO 4000W/HPN 1/CS 1/SKU	XBO 4000 W/HPN OFR	
XBO 4000 W/HPN L OFR	69085	XBO 4000W/HPN L 1/CS 1/SKU	XBO 4000 W/HPN L OFR	XENON
XBO 4500 W/HPN OFR	69113	XBO 4500W/HPN 1/CS 1/SKU	XBO 4500 W/HPN OFR	
XBO 4500 W/HPN L OFR	69051	XBO 4500W/HPN L 1/CS 1/SKU	XBO 4500 W/HPN L OFR	
XBO 4000W/HPN XL OFR			XBO 4000W/HPN XL OFR	
XBO 6000 W/HPN OFR	69123	XBO 6000W/HPN OFR 1/CS 1/SKU	XBO 6000 W/HPN OFR	
XBO 6000 W/HPN L OFR	69054	XBO 6000W/HPN L 1/CS 1/SKU	XBO 6000 W/HPN L OFR	
XBO 7000 W/HPN OFR	55227	XBO 7000W/HPN 1/CS 1/SKU	XBO 7000 W/HPN OFR	

Product description	Electrical Data		Photometric Data	
	Nominal wattage	Current control range	Nominal luminous flux	Light center length (LCL)
XBO 1200 W/HPN OFR	1200 W	41...63 A	45000 lm	144.0 mm ₁₎
XBO 2000 W/HPN L OFR	2000 W	60...85 A		144.0 mm ₁₎
XBO 3000 W/HPN OFR	3000 W	77...108 A	140000 lm	144.0 mm ₁₎
XBO 3000 W/HPN L OFR	3000 W	75...103 A		144.0 mm ₁₎
XBO 4000 W/HPN OFR	4000 W	90...125 A	190000 lm	144.0 mm ₁₎
XBO 4000 W/HPN L OFR	4000 W	90...125 A	185000 lm	144.0 mm ₁₎
XBO 4500 W/HPN OFR	4500 W	108...150 A		171.5 mm ₁₎
XBO 4500 W/HPN L OFR	4500 W	108...150 A		171.5 mm ₁₎
XBO 4000W/HPN XL OFR	4000 W	92...132 A	185000 lm	144.0 mm ₁₎

Product family datasheet

Product description	Electrical Data		Photometric Data	
	Nominal wattage	Current control range	Nominal luminous flux	Light center length (LCL)
XBO 6000 W/HPN OFR	6000 W	120...163 A		171.5 mm ¹⁾
XBO 6000 W/HPN L OFR	6000 W	125...158 A	300000 lm	171.5 mm ¹⁾
XBO 7000 W/HPN OFR	7000 W	135...175 A		171.5 mm ¹⁾

Product description	Color temperature	Light center length (LCL) - (in)	Physical Attributes & Dimensions	
			Electrode gap (cold)	Base (anode)
XBO 1200 W/HPN OFR			3.5 mm	SFaX30-9.5
XBO 2000 W/HPN L OFR			4.5 mm	SFaX30-9.5
XBO 3000 W/HPN OFR	6000 K		4.5 mm	SFaX27-9.5
XBO 3000 W/HPN L OFR			5.0 mm	SFaX27-9.5
XBO 4000 W/HPN OFR		5.67 in	5.0 mm	SFaX27-9.5
XBO 4000 W/HPN L OFR	6000 K		6.0 mm	SFaX27-9.5
XBO 4500 W/HPN OFR			6.0 mm	SFaX30-9.5
XBO 4500 W/HPN L OFR			6.0 mm	SFaX30-9.5
XBO 4000W/HPN XL OFR			6.1 mm	SFaX27-9.5
XBO 6000 W/HPN OFR			7.5 mm	SFaX30-9.5
XBO 6000 W/HPN L OFR			8.0 mm	SFaX30-9.5
XBO 7000 W/HPN OFR			7.5 mm	SFaX30-9.5

Product description	Base (cathode)	Diameter (in)	Diameter	Diameter
XBO 1200 W/HPN OFR	SFa30-20	1.594 in	46.5 mm	46.5 mm
XBO 2000 W/HPN L OFR	SFa30-20		55.0 mm	55.0 mm
XBO 3000 W/HPN OFR	SFa27-20	2.165 in	55.0 mm	55.0 mm
XBO 3000 W/HPN L OFR	SFa27-20	2.362 in	60.0 mm	60.0 mm
XBO 4000 W/HPN OFR	SFa27-20	2.165 in	60.0 mm	60.0 mm
XBO 4000 W/HPN L OFR	SFa27-20	2.165 in	60.0 mm	60.0 mm
XBO 4500 W/HPN OFR	SFa30-20	2.362 in	60.0 mm	60.0 mm
XBO 4500 W/HPN L OFR	SFa30-20		60.0 mm	60.0 mm
XBO 4000W/HPN XL OFR	SFa27-20		60.0 mm	60.0 mm
XBO 6000 W/HPN OFR	SFa30-20		78.0 mm	78.0 mm
XBO 6000 W/HPN L OFR	SFa30-20		78.0 mm	78.0 mm
XBO 7000 W/HPN OFR	SFa30-20		78.0 mm	78.0 mm

Product description	Length	Length with base excl. base pins/connection	Cable/wire length, input side	Connector: presence
XBO 1200 W/HPN OFR	345.0 mm	308.00 mm	235 mm	Yes
XBO 2000 W/HPN L OFR	345.0 mm	308.00 mm	235 mm	Yes
XBO 3000 W/HPN OFR	345.0 mm	308.00 mm	235 mm	Yes

Product family datasheet

Product description	Length	Length with base excl. base pins/connection	Cable/wire length, input side	Connector: presence
XBO 3000 W/HPN L OFR	345.0 mm	308.00 mm	235 mm	Yes
XBO 4000 W/HPN OFR	345.0 mm	308.00 mm	235 mm	Yes
XBO 4000 W/HPN L OFR	345.0 mm	308.00 mm	235 mm	Yes
XBO 4500 W/HPN OFR	428.0 mm	389.00 mm	235 mm	Yes
XBO 4500 W/HPN L OFR	428.0 mm	389.00 mm	235 mm	Yes
XBO 4000W/HPN XL OFR	345.0 mm	308.00 mm	235 mm	Yes
XBO 6000 W/HPN OFR	428.0 mm	389.00 mm	235 mm	Yes
XBO 6000 W/HPN L OFR	428.0 mm	389.00 mm	235 mm	Yes
XBO 7000 W/HPN OFR	428.0 mm	389.00 mm	235 mm	Yes

Product description	Product weight	Operating Conditions		
		Burning position	Cooling	Max. permitted ambient temp. pinch point
XBO 1200 W/HPN OFR	543.00 g	s15/p15 ²⁾	Forced	230 °C
XBO 2000 W/HPN L OFR	550.00 g	s15/p15 ²⁾	Forced	230 °C
XBO 3000 W/HPN OFR	601.00 g	s15/p15 ²⁾	Forced	230 °C
XBO 3000 W/HPN L OFR	659.00 g	s15/p15 ²⁾	Forced	230 °C
XBO 4000 W/HPN OFR	687.00 g	s15/p15 ²⁾	Forced	230 °C
XBO 4000 W/HPN L OFR	671.00 g	s15/p15 ²⁾	Forced	230 °C
XBO 4500 W/HPN OFR	880.00 g	s15/p15 ²⁾	Forced	230 °C
XBO 4500 W/HPN L OFR	880.00 g	s15/p15 ²⁾	Forced	230 °C
XBO 4000W/HPN XL OFR	664.00 g	s15/p15 ²⁾	Forced	230 °C
XBO 6000 W/HPN OFR	1050.00 g	s15/p15 ²⁾	Forced	230 °C
XBO 6000 W/HPN L OFR	1015.00 g	s15/p15 ²⁾	Forced	230 °C
XBO 7000 W/HPN OFR	1023.00 g	s15/p15 ²⁾	Forced	230 °C

Product description	Lifetime Data		Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
	Warranty hours	Service warranty lifetime	Primary article identifier	Declaration no. in SCIP database
XBO 1200 W/HPN OFR	3000 hrs	3500 hr	4008321741547 4062172030496	ff4d17fa-1438-4bc2- a606-af20217550d1 9216bf4f-e70a-4162- b102-76c4b3b8a81a
XBO 2000 W/HPN L OFR	3000 hrs	3500 hr	4052899263437 4062172030458	4b8c3a0d-e347- 4664-955c- 0d693a373f8c
XBO 3000 W/HPN OFR	1500 hrs	1900 hr	4062172030328 4008321756589	de6757a1-76fc- 43b2-bab8- 5e345c7e8aec 03daa791-d4cf-4aaa- a1a2-88c31129bca3
XBO 3000 W/HPN L OFR	1900 hrs	2400 hr	4052899301528 4062172030533	1f032a80-9e5a- 4431-a675- c7036e7ea79f

Product family datasheet

	Lifetime Data		Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Product description	Warranty hours	Service warranty lifetime	Primary article identifier	Declaration no. in SCIP database
XBO 4000 W/HPN OFR	650 hrs	750 hr	4008321336774 4052899091931 4062172030267	5436255a-a46f-47df- b92e-f2c1c0ea2701
XBO 4000 W/HPN L OFR	1100 hrs	1400 hr	4062172030274 4052899134829	e5c6268f-8ad3-41af- 947c-83cfc899656d 2dee931a-3b3e-4fe9- b78f-d30e98231bdd
XBO 4500 W/HPN OFR	1000 hrs	1300 hr	4008321756657 4062172030557	1fc58cd4-2db4-4dc8- 8828-714ce9b1d0e5
XBO 4500 W/HPN L OFR	1300 hrs	1500 hr	4062172030595 4052899343351	bdc206bb-8ab4- 47d6-a813- e35a5e1b2612
XBO 4000W/HPN XL OFR	1900 hrs	2100 hr	4062172225489	In work
XBO 6000 W/HPN OFR	650 hrs	800 hr	4062172030649 4052899136373	dd124654-3cfe- 4a72-80db- 15b376f17bc1
XBO 6000 W/HPN L OFR	800 hrs	1200 hr	4062172111171 4052899343412 4062172030687	2c9d4d2e-189b- 4cd8-8946- 603008b0d3df
XBO 7000 W/HPN OFR	300 hrs	500 hr	4062172031691	3028d909-e4c3- 4ea0-8a8b- a58e460e8446

Product description	Candidate list substance 1	CAS No. of substance 1	Safe use instruction
XBO 1200 W/HPN OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 2000 W/HPN L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 3000 W/HPN OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 3000 W/HPN L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

Product family datasheet

Product description	Candidate list substance 1	CAS No. of substance 1	Safe use instruction
XBO 4000 W/HPN OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 4000 W/HPN L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 4500 W/HPN OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 4500 W/HPN L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 4000W/HPN XL OFR			
XBO 6000 W/HPN OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 6000 W/HPN L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 7000 W/HPN OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

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

2) 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.