

XBO HPN for digital cinema projection

Xenon short-arc lamps

Areas of application

- Cinema projection

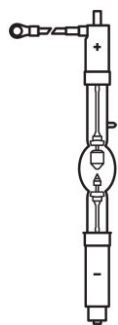


Product family features

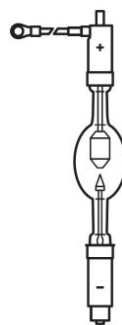
- Short arc with highest luminance for brighter screen illumination
- A lifetime of reliable performances with constant 6000 K color temperature
- Easy to maintain
- High level of arc stability
- Hot restart and instant light on screen
- Dimmable in a wide range



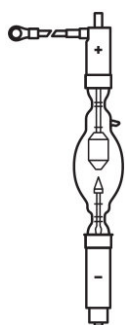
Product family datasheet



333154_XBO Xenon Short Arc Lamp



333156_XBO Digital Xenon Short Arc Lamp



338611_Xenon Short Arc Lamp

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 1200 W/HPN OFR	120000 W	41...63 A	465 mm	3450 mm	308.00 mm	144.0 mm ¹⁾
XBO 2000 W/HPN L OFR	200000 W	60...85 A	550 mm	3450 mm	308.00 mm	144.0 mm ¹⁾
XBO 3000 W/HPN OFR	300000 W	77...108 A	550 mm	3450 mm	308.00 mm	144.0 mm ¹⁾
XBO 3000 W/HPN L OFR	300000 W	75...103 A	600 mm	3450 mm	308.00 mm	144.0 mm ¹⁾
XBO 4000 W/HPN OFR	400000 W	90...125 A	600 mm	3450 mm	308.00 mm	144.0 mm ¹⁾
XBO 4000 W/HPN L OFR	400000 W	90...125 A	600 mm	3450 mm	308.00 mm	144.0 mm ¹⁾
XBO 4000W/HPN XL OFR	400000 W	92...132 A	6000 mm	3450 mm	308.00 mm	144.0 mm ¹⁾
XBO 4500 W/HPN OFR	450000 W	108...150 A	600 mm	4280 mm	389.00 mm	171.5 mm ¹⁾
XBO 4500 W/HPN L OFR	450000 W	108...150 A	600 mm	4280 mm	389.00 mm	171.5 mm ¹⁾
XBO 6000 W/HPN OFR	600000 W	120...163 A	780 mm	4280 mm	389.00 mm	171.5 mm ¹⁾
XBO 6000 W/HPN L OFR	600000 W	125...158 A	780 mm	4280 mm	389.00 mm	171.5 mm ¹⁾
XBO 7000 W/HPN OFR	700000 W	135...175 A	780 mm	4280 mm	389.00 mm	171.5 mm ¹⁾

Product description	Cable/wire length, input side	Product weight	Cable length	Electrode gap cold	Temperatures & operating conditions
					Max. permitted ambient temp. pinch point
XBO 1200 W/HPN OFR	235 mm	54300 g	2280	3.5 mm	230 °C
XBO 2000 W/HPN L OFR	235 mm	55000 g	2280	4.5 mm	230 °C
XBO 3000 W/HPN OFR	235 mm	60100 g	2280	4.5 mm	230 °C
XBO 3000 W/HPN L OFR	235 mm	65900 g	2280	5.0 mm	230 °C
XBO 4000 W/HPN OFR	235 mm	68700 g	2280	5.0 mm	230 °C
XBO 4000 W/HPN L OFR	235 mm	67100 g	1950	6.0 mm	230 °C
XBO 4000W/HPN XL OFR	235 mm	66400 g	1950	6.1 mm	230 °C
XBO 4500 W/HPN OFR	235 mm	88000 g	2280	6.0 mm	230 °C
XBO 4500 W/HPN L OFR	235 mm	88000 g	2280	6.0 mm	230 °C
XBO 6000 W/HPN OFR	235 mm	105000 g	2280	7.5 mm	230 °C
XBO 6000 W/HPN L OFR	235 mm	105000 g	2070	8.0 mm	230 °C
XBO 7000 W/HPN OFR	235 mm	102300 g	2350	7.5 mm	230 °C

Product family datasheet

Product description	Lifespan		Additional product data	
	Lifespan	Service Warranty Lifetime	Base anode (standard designation)	Base cathode (standard designation)
XBO 1200 W/HPN OFR	3000 h	3500 h	SFaX30-9.5	SFa30-20
XBO 2000 W/HPN L OFR	3300 h	3500 h	SFaX30-9.5	SFa30-20
XBO 3000 W/HPN OFR	1500 h	1900 h	SFaX27-9.5	SFa27-20
XBO 3000 W/HPN L OFR	2200 h	2400 h	SFaX27-9.5	SFa27-20
XBO 4000 W/HPN OFR	650 h	750 h	SFaX27-9.5	SFa27-20
XBO 4000 W/HPN L OFR	1100 h	1400 h	SFaX27-9.5	SFa27-20
XBO 4000W/HPN XL OFR		2100 h	SFaX27-9.5	SFa27-20
XBO 4500 W/HPN OFR	1000 h	1300 h	SFaX30-9.5	SFa30-20
XBO 4500 W/HPN L OFR	1300 h	1500 h	SFaX30-9.5	SFa30-20
XBO 6000 W/HPN OFR	650 h	800 h	SFaX30-9.5	SFa30-20
XBO 6000 W/HPN L OFR	1000 h	1200 h	SFaX30-9.5	SFa30-20
XBO 7000 W/HPN OFR	400 h	500 h	SFaX30-9.5	SFa30-20

Product description	Capabilities		Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
	Cooling	Burning position	Date of Declaration	Primary Article Identifier
XBO 1200 W/HPN OFR	Forced	s15/p15 ²⁾	05-03-2024	4008321741547 4062172030496
XBO 2000 W/HPN L OFR	Forced	s15/p15 ²⁾	06-03-2024	4052899263437 4062172030458
XBO 3000 W/HPN OFR	Forced	s15/p15 ²⁾	05-03-2024	4008321756602 4008321756589 4008321865502 4062172030328
XBO 3000 W/HPN L OFR	Forced	s15/p15 ²⁾	06-03-2024	4052899301528 4062172030533
XBO 4000 W/HPN OFR	Forced	s15/p15 ²⁾	05-03-2024	4008321336774 4052899091931 4062172030267
XBO 4000 W/HPN L OFR	Forced	s15/p15 ²⁾	05-03-2024	4008321756640 4008321865533 4052899134829 4062172030274
XBO 4000W/HPN XL OFR	Forced	s15/p15 ²⁾	07-03-2024	4062172225489
XBO 4500 W/HPN OFR	Forced	s15/p15 ²⁾	05-03-2024	4008321756664 4008321756657 4062172030557
XBO 4500 W/HPN L OFR	Forced	s15/p15 ²⁾	06-03-2024	4052899343351 4062172030595
XBO 6000 W/HPN OFR	Forced	s15/p15 ²⁾	06-03-2024	4052899136373 4062172030649
XBO 6000 W/HPN L OFR	Forced	s15/p15 ²⁾	06-03-2024	4052899087071 4052899343412 4062172030687 4062172111171
XBO 7000 W/HPN OFR	Forced	s15/p15 ²⁾	06-03-2024	4062172031691

Product family datasheet

Product description	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
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.	9216bf4f-e70a-4162-b102-76c4b3b8a81a ff4d17fa-1438-4bc2-a606-af20217550d1
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.	4b8c3a0d-e347-4664-955c-0d693a373f8c
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.	de6757a1-76fc-43b2-bab8-5e345c7e8aec 03daa791-d4cf-4aaa-a1a2-88c31129bca3
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.	1f032a80-9e5a-4431-a675-c7036e7ea79f
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.	5436255a-a46f-47df-b92e-f2c1c0ea2701
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.	e5c6268f-8ad3-41af-947c-83cfc899656d 2dee931a-3b3e-4fe9-b78f-d30e98231bdd
XBO 4000W/HPN XL OFR				In work
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.	1fc58cd4-2db4-4dc8-8828-714ce9b1d0e5
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.	bdc206bb-8ab4-47d6-a813-e35a5e1b2612

Product family datasheet

Product description	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
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.	dd124654-3cfe-4a72-80db-15b376f17bc1
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.	2c9d4d2e-189b-4cd8-8946-603008b0d3df
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.	3028d909-e4c3-4ea0-8a8b-a58e460e8446

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

2) 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.