

XBO for SONY Projectors

Areas of application

- Digital Cinema Projection



Product features and benefits

- Extremely high luminance for digital cinema projection
- Color temperature approximately 6000K - simulates daylight
- Continuous spectrum in the visible range
- High color rendering > 95
- High arc stability
- DC operation
- Hot restart



Product family datasheet

Technical data

Product description	General Product Information			Electrical Data
	Product number (Americas)	Product name (Americas)	Global order reference	Nominal wattage
XBO 2000 W/HPS L OFR	68883	XBO 2000W/HPS L 1/CS 1/SKU	XBO 2000 W/HPS L OFR	2000 W
XBO 3000 W/HPS OFR	69487	XBO 3000W/HPS 1/CS 1/SKU	XBO 3000 W/HPS OFR	3000 W
XBO 4200 W/HPS OFR	60009	XBO 4200W/HPS 1/CS 1/SKU	XBO 4200 W/HPS OFR	4200 W
XBO 4200 W/HPS LL	60008	XBO 4200W/HPS L 1/CS 1/SKU	XBO 4200 W/HPS LL	4200 W

Product description	Current control range	Photometric Data		
		Nominal luminous flux	Light center length (LCL)	Color temperature
XBO 2000 W/HPS L OFR	46...87 A	80000 lm	128.0 mm ¹⁾	
XBO 3000 W/HPS OFR	60...112 A		128.0 mm ¹⁾	6000 K
XBO 4200 W/HPS OFR	73...137 A	210000 lm	128.0 mm ¹⁾	
XBO 4200 W/HPS LL	69...131 A		128.0 mm ¹⁾	

Product description	Physical Attributes & Dimensions			
	Electrode gap (cold)	Base (anode)	Base (cathode)	Diameter
XBO 2000 W/HPS L OFR	4.5 mm	SFaX30-14/68	SFc30-20/50	55.0 mm
XBO 3000 W/HPS OFR	4.5 mm	SFaX30-14/68	SFc30-20/50	55.0 mm
XBO 4200 W/HPS OFR	4.3 mm	SFaX30-14/68	SFc30-20/50	60.0 mm
XBO 4200 W/HPS LL	5.9 mm	SFaX30-14/68	SFc30-20/50	60.0 mm

Product description	Diameter	Length	Length with base excl. base pins/connection	Cable/wire length, input side
XBO 2000 W/HPS L OFR	55.0 mm	334.0 mm	297.00 mm	195 mm
XBO 3000 W/HPS OFR	55.0 mm	334.0 mm	297.00 mm	195 mm
XBO 4200 W/HPS OFR	60.0 mm	334.0 mm	297.00 mm	195 mm
XBO 4200 W/HPS LL	60.0 mm	334.0 mm	297.00 mm	195 mm

Product description	Connector: presence	Product weight	Diameter (in)	Operating Conditions
				Burning position
XBO 2000 W/HPS L OFR	Yes	595.10 g		s15/p15 ²⁾
XBO 3000 W/HPS OFR	Yes	630.00 g	2.165 in	s15/p15 ²⁾
XBO 4200 W/HPS OFR	Yes	717.00 g	2.165 in	s15/p15 ²⁾

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				Operating Conditions
Product description	Connector: presence	Product weight	Diameter (in)	Burning position
XBO 4200 W/HPS LL	Yes	750.00 g	2.165 in	s15/p15 ²⁾

Product description	Cooling	Max. permitted ambient temp. pinch point	Lifetime Data	
			Warranty hours	Service warranty lifetime
XBO 2000 W/HPS L OFR	Forced	230 °C	3000 hrs	3500 hr
XBO 3000 W/HPS OFR	Forced	230 °C	1000 hrs	1300 hr
XBO 4200 W/HPS OFR	Forced	230 °C	700 hrs	850 hr
XBO 4200 W/HPS LL	Forced	230 °C	1000 hrs	1200 hr

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 2000 W/HPS L OFR	4062172030342 4052899287761	c816075e-2194-4118-a481-54224e3feee4	Lead	7439-92-1
XBO 3000 W/HPS OFR	4062172232555 4052899213630 4062172030335	a79dca5f-6e91-4477-8572-f3ae4fd31a8f	Lead	7439-92-1
XBO 4200 W/HPS OFR	4062172225571 4062172030298 4052899202092	b806361c-8c4a-4b09-91f3-2882c5395cfd 4776d977-ceff-4b5d-8b57-4242dd74650c	Lead	7439-92-1
XBO 4200 W/HPS LL	4062172030281 4052899202108	4c4eb838-8b5a-4bca-9047-b88c703b363c	Lead	7439-92-1

Product description	Safe use instruction
XBO 2000 W/HPS L OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 3000 W/HPS OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 4200 W/HPS OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.

Product family datasheet

Product description	Safe use instruction
XBO 4200 W/HPS LL	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.