

XBO for CHRISTIE 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
- High arc stability
- Dimmable over a wide range
- 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 1400 W/DTS OFR	68891	XBO 1400W/DTS 1/CS 1/SKU	XBO 1400 W/DTS OFR	1400 W
XBO 1600 W/DTS OFR	68892	XBO 1600W/DTS 1/CS 1/SKU	XBO 1600 W/DTS OFR	1600 W
XBO 1800 W/DTS OFR	68880	XBO 1800W/DTS 1/CS 1/SKU	XBO 1800 W/DTS OFR	1800 W
XBO 2000 W/DTS OFR	68881	XBO 2000W/DTS 1/CS 1/SKU	XBO 2000 W/DTS OFR	2000 W
XBO 2000 W/DTP L OFR	68882	XBO 2000W/DTP L 1/CS 1/SKU	XBO 2000 W/DTP L OFR	2000 W
XBO 2100 W/DTS OFR	68879	XBO 2100W/DTS 1/CS 1/SKU	XBO 2100 W/DTS OFR	2100 W
XBO 2300 W/DTS OFR	68889	XBO 2300W/DTS 1/CS 1/SKU	XBO 2300 W/DTS OFR	2300 W
XBO 3000 W/DTS OFR	69063	XBO 3000W/DTS 1/CS 1/SKU	XBO 3000 W/DTS OFR	3000 W
XBO 3000 W/DTP OFR	69154	XBO 3000W/DTP 1/CS 1/SKU	XBO 3000 W/DTP OFR	3000 W
XBO 3000 W/DTP L OFR	17106	XBO 3000W/DTP L OFR 1/CS 1/SKU	XBO 3000 W/DTP L OFR	3000 W
XBO 4500 W/DTP OFR	69459	XBO 4500W/DTP 1/CS 1/SKU	XBO 4500 W/DTP OFR	4500 W
XBO 4500 W/DTP L OFR	69052	XBO 4500W/DTP L 1/CS 1/SKU	XBO 4500 W/DTP L OFR	4500 W
XBO 6000 W/DTP OFR	69460	XBO 6000W/DTP 1/CS 1/SKU	XBO 6000 W/DTP OFR	6000 W
XBO 6000 W/DTP L OFR	69055	XBO 6000W/DTP L 1/CS 1/SKU	XBO 6000 W/DTP L OFR	6000 W
XBO 6000 W/DTP XL OFR	59970	XBO 6000W/DTP XL 1/CS 1/SKU	XBO 6000 W/DTP XL OFR	6000 W

Product description	Current control range	Photometric Data		
		Light center length (LCL)	Nominal luminous flux	Color temperature
XBO 1400 W/DTS OFR	40...70 A	100.5 mm ₁₎		
XBO 1600 W/DTS OFR	50...80 A	100.5 mm ₁₎		
XBO 1800 W/DTS OFR	50...83 A	100.5 mm ₁₎		
XBO 2000 W/DTS OFR	60...90 A	100.5 mm ₁₎		
XBO 2000 W/DTP L OFR	64...95 A	160.0 mm ₁₎	80000 lm	6000 K
XBO 2100 W/DTS OFR	60...85 A	120.5 mm ₁₎		

Product family datasheet

Product description	Current control range	Photometric Data		
		Light center length (LCL)	Nominal luminous flux	Color temperature
XBO 2300 W/DTS OFR	60...90 A	100.5 mm ¹⁾		
XBO 3000 W/DTS OFR	77...113 A	125.0 mm ¹⁾		
XBO 3000 W/DTP OFR	74...109 A	160.0 mm ¹⁾	130000 lm	
XBO 3000 W/DTP L OFR	74...109 A	160.0 mm ¹⁾		
XBO 4500 W/DTP OFR	108...155 A	165.0 mm ¹⁾		
XBO 4500 W/DTP L OFR	108...155 A	165.0 mm ¹⁾		
XBO 6000 W/DTP OFR	140...175 A	165.0 mm ¹⁾	270000 lm	
XBO 6000 W/DTP L OFR	130...166 A	165.0 mm ¹⁾		
XBO 6000 W/DTP XL OFR	130...175 A	165.0 mm ¹⁾		

Product description	Color rendering index Ra	Physical Attributes & Dimensions		
		Electrode gap (cold)	Base (anode)	Base (cathode)
XBO 1400 W/DTS OFR		3.7 mm	Cable	SFc30-20
XBO 1600 W/DTS OFR		3.7 mm	Cable	SFc30-20
XBO 1800 W/DTS OFR		3.7 mm	Cable	SFc30-20
XBO 2000 W/DTS OFR		3.7 mm	Cable	SFc30-20
XBO 2000 W/DTP L OFR	98	4.5 mm	SFa30-14	SFc30-14
XBO 2100 W/DTS OFR		3.7 mm	Cable	SFc30-20
XBO 2300 W/DTS OFR		3.7 mm	Cable	SFc30-20
XBO 3000 W/DTS OFR		4.8 mm	SFa30-14	SFc30-14
XBO 3000 W/DTP OFR		6.0 mm	SFa30-14	SFc30-14
XBO 3000 W/DTP L OFR		6.0 mm	SFa30-14	SFc30-14
XBO 4500 W/DTP OFR		5.8 mm	SFa30-14	SFc30-14
XBO 4500 W/DTP L OFR		5.8 mm	SFa30-14	SFc30-14
XBO 6000 W/DTP OFR		7.5 mm	SFa30-14	SFc30-14
XBO 6000 W/DTP L OFR		8.0 mm	SFa30-14	SFc30-14
XBO 6000 W/DTP XL OFR		8.0 mm	SFa30-14	SFc30-14

Product description	Diameter	Diameter	Length	Length with base excl. base pins/connection
XBO 1400 W/DTS OFR	46.0 mm	46.0 mm	245.0 mm	202.00 mm
XBO 1600 W/DTS OFR	46.0 mm	46.0 mm	245.0 mm	202.00 mm
XBO 1800 W/DTS OFR	46.0 mm	46.0 mm	245.0 mm	202.00 mm
XBO 2000 W/DTS OFR	46.0 mm	46.0 mm	245.0 mm	202.00 mm
XBO 2000 W/DTP L OFR	55.0 mm	55.0 mm	397.0 mm	354.00 mm

Product family datasheet

Product description	Diameter	Diameter	Length	Length with base excl. base pins/connection
XBO 2100 W/DTS OFR	46.0 mm	46.0 mm	265.0 mm	222.00 mm
XBO 2300 W/DTS OFR	46.0 mm	46.0 mm	245.0 mm	202.00 mm
XBO 3000 W/DTS OFR	60.0 mm	60.0 mm	335.0 mm	285.00 mm
XBO 3000 W/DTP OFR	60.0 mm	60.0 mm	397.0 mm	354.00 mm
XBO 3000 W/DTP L OFR	60.0 mm	60.0 mm	397.0 mm	354.00 mm
XBO 4500 W/DTP OFR	60.0 mm	60.0 mm	426.0 mm	383.00 mm
XBO 4500 W/DTP L OFR	60.0 mm	60.0 mm	426.0 mm	383.00 mm
XBO 6000 W/DTP OFR	78.0 mm	78.0 mm	426.0 mm	383.00 mm
XBO 6000 W/DTP L OFR	78.0 mm	78.0 mm	426.0 mm	383.00 mm
XBO 6000 W/DTP XL OFR	78.0 mm	78.0 mm	426.0 mm	383.00 mm

				Operating Conditions
Product description	Connector: presence	Product weight	Diameter (in)	Burning position
XBO 1400 W/DTS OFR	Yes	370.00 g		s15/p15 ²⁾
XBO 1600 W/DTS OFR	Yes	370.00 g		s15/p15 ²⁾
XBO 1800 W/DTS OFR	Yes	370.00 g		s15/p15 ²⁾
XBO 2000 W/DTS OFR	Yes	370.00 g		s15/p15 ²⁾
XBO 2000 W/DTP L OFR		483.00 g		s15/p15 ²⁾
XBO 2100 W/DTS OFR	Yes	380.00 g		s15/p15 ²⁾
XBO 2300 W/DTS OFR	Yes	370.00 g		s15/p15 ²⁾
XBO 3000 W/DTS OFR		520.00 g	2.165 in	s15/p15 ²⁾
XBO 3000 W/DTP OFR		536.00 g	2.362 in	s15/p15 ²⁾
XBO 3000 W/DTP L OFR		536.00 g	2.362 in	s15/p15 ²⁾
XBO 4500 W/DTP OFR		783.00 g	2.362 in	s15/p15 ²⁾
XBO 4500 W/DTP L OFR		783.00 g		s15/p15 ²⁾
XBO 6000 W/DTP OFR		920.00 g	2.756 in	s15/p15 ²⁾
XBO 6000 W/DTP L OFR		920.00 g		s15/p15 ²⁾
XBO 6000 W/DTP XL OFR		920.00 g		s15/p15 ²⁾

			Lifetime Data	
Product description	Cooling	Max. permitted ambient temp. pinch point	Warranty hours	Service warranty lifetime
XBO 1400 W/DTS OFR	Forced	230 °C	3250 hrs	3500 hr
XBO 1600 W/DTS OFR	Forced	230 °C	3250 hrs	3500 hr
XBO 1800 W/DTS OFR	Forced	230 °C	1800 hrs	2100 hr
XBO 2000 W/DTS OFR	Forced	230 °C	1300 hrs	1500 hr
XBO 2000 W/DTP L OFR	Forced	230 °C	3300 hrs	4000 hr
XBO 2100 W/DTS OFR	Forced	230 °C	1000 hrs	1500 hr
XBO 2300 W/DTS OFR	Forced	230 °C	1000 hrs	1200 hr
XBO 3000 W/DTS OFR	Forced	230 °C	1200 hrs	1500 hr
XBO 3000 W/DTP OFR	Forced	230 °C	1500 hrs	2500 hr
XBO 3000 W/DTP L OFR	Forced	230 °C	1900 hrs	2800 hr

Product family datasheet

Product description	Cooling	Max. permitted ambient temp. pinch point	Lifetime Data	
			Warranty hours	Service warranty lifetime
XBO 4500 W/DTP OFR	Forced	230 °C	1000 hrs	1300 hr
XBO 4500 W/DTP L OFR	Forced	230 °C	1300 hrs	1500 hr
XBO 6000 W/DTP OFR	Forced	230 °C	600 hrs	750 hr
XBO 6000 W/DTP L OFR	Forced	230 °C	800 hrs	1100 hr
XBO 6000 W/DTP XL OFR	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 1400 W/DTS OFR	4052899417793	44c9ce65-f5ed-44dd-a504-39f577e463b2	Lead	7439-92-1
XBO 1600 W/DTS OFR	4052899417786	6ce18136-8e41-4ce4-8ffe-a9270a50dd0e	Lead	7439-92-1
XBO 1800 W/DTS OFR	4052899343276	769ad45d-8aa4-41da-95d2-7a202cd96d40	Lead	7439-92-1
XBO 2000 W/DTS OFR	4052899308862	66491b7e-039c-4c96-989f-136b5a44c8aa	Lead	7439-92-1
XBO 2000 W/DTP L OFR	4052899287884	2ae32466-4952-4d1e-97cf-88f3fdb3f387	Lead	7439-92-1
XBO 2100 W/DTS OFR	4052899376328	4b279723-394c-4c44-8a7d-8804506cabf5	Lead	7439-92-1
XBO 2300 W/DTS OFR	4052899359659	bccb6f98-b1df-4b09-9777-7d0c95b57df6	Lead	7439-92-1
XBO 3000 W/DTS OFR	4008321645050 4008321865519 4062172030489	78e1128f-b105-4cf7-b75e-d67dd1f18348	Lead	7439-92-1
XBO 3000 W/DTP OFR	4008321191540 4052899509474	cdf74e98-4a09-4bdf-8cd1-2fd9bd8791fb	Lead	7439-92-1
XBO 3000 W/DTP L OFR	4052899430549	7f64dd22-3fef-4f43-9687-e059a2780381	Lead	7439-92-1
XBO 4500 W/DTP OFR	4062172031387 4008321372734	782fd8ec-c849-4938-8aa7-c7e3cf98de9b	Lead	7439-92-1
XBO 4500 W/DTP L OFR	4062172026567 4052899343399 4062172030601	e3531c7a-3edc-44b5-9af1-e8897b026c25	Lead	7439-92-1
XBO 6000 W/DTP OFR	4008321549709 4052899143975 4062172030700	e4f4b242-7a8c-498b-b228-5826958e5b02	Lead	7439-92-1
XBO 6000 W/DTP L OFR	4062172030717 4052899343429	f6d89da4-51dd-4635-9c45-ab11c9570709	Lead	7439-92-1

Product family datasheet

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 6000 W/DTP XL OFR	4062172111652	e4fe5722-8080-4b1b-84a7-cff7b12548e4	Lead	7439-92-1

Product description	Safe use instruction
XBO 1400 W/DTS OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 1600 W/DTS OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 1800 W/DTS OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 2000 W/DTS OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 2000 W/DTP L OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 2100 W/DTS OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 2300 W/DTS OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.

Product description	Safe use instruction
XBO 3000 W/DTS OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 3000 W/DTP OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 3000 W/DTP L OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 4500 W/DTP OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 4500 W/DTP L OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 6000 W/DTP OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 6000 W/DTP L OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 6000 W/DTP XL OFR	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.