

XBO for CHRISTIE Projectors

High performance, long lasting digital cinema lamps designed for CHRISTIE 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 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	Length	Length with base excl. base pins/connection	Connector: presence
XBO 1400 W/DTS OFR	46.0 mm	245.0 mm	202.00 mm	Yes
XBO 1600 W/DTS OFR	46.0 mm	245.0 mm	202.00 mm	Yes
XBO 1800 W/DTS OFR	46.0 mm	245.0 mm	202.00 mm	Yes
XBO 2000 W/DTS OFR	46.0 mm	245.0 mm	202.00 mm	Yes
XBO 2000 W/DTP L OFR	55.0 mm	397.0 mm	354.00 mm	

Product family datasheet

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

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

Product description	Max. permitted ambient temp. pinch point	Lifetime Data		Environmental & Regulatory Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
		Warranty hours	Service warranty lifetime	Primary article identifier
XBO 1400 W/DTS OFR	230 °C	3250 hrs	3500 hr	4052899417793
XBO 1600 W/DTS OFR	230 °C	3250 hrs	3500 hr	4052899417786
XBO 1800 W/DTS OFR	230 °C	1800 hrs	2100 hr	4052899343276
XBO 2000 W/DTS OFR	230 °C	1300 hrs	1500 hr	4052899308862
XBO 2000 W/DTP L OFR	230 °C	3300 hrs	4000 hr	4052899287884
XBO 2100 W/DTS OFR	230 °C	1000 hrs	1500 hr	4052899376328

Product family datasheet

Product description	Max. permitted ambient temp. pinch point	Lifetime Data		Environmental & Regulatory Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
		Warranty hours	Service warranty lifetime	Primary article identifier
XBO 2300 W/DTS OFR	230 °C	1000 hrs	1200 hr	4052899359659
XBO 3000 W/DTS OFR	230 °C	1200 hrs	1500 hr	4008321645050 4008321865519 4062172030489
XBO 3000 W/DTP OFR	230 °C	1500 hrs	2500 hr	4008321191540 4052899509474
XBO 3000 W/DTP L OFR	230 °C	1900 hrs	2800 hr	4052899430549
XBO 4500 W/DTP OFR	230 °C	1000 hrs	1300 hr	4062172031387 4008321372734
XBO 4500 W/DTP L OFR	230 °C	1300 hrs	1500 hr	4062172026567 4052899343399 4062172030601
XBO 6000 W/DTP OFR	230 °C	600 hrs	750 hr	4008321549709 4052899143975 4062172030700
XBO 6000 W/DTP L OFR	230 °C	800 hrs	1100 hr	4062172030717 4052899343429
XBO 6000 W/DTP XL OFR	230 °C	1000 hrs	1200 hr	4062172111652

Product description	Declaration no. in SCIP database	Candidate list substance 1	CAS No. of substance 1	Safe use instruction
XBO 1400 W/DTS OFR	44c9ce65-f5ed-44dd-a504-39f577e463b2	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 1600 W/DTS OFR	6ce18136-8e41-4ce4-8ffe-a9270a50dd0e	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 1800 W/DTS OFR	769ad45d-8aa4-41da-95d2-7a202cd96d40	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	Declaration no. in SCIP database	Candidate list substance 1	CAS No. of substance 1	Safe use instruction
XBO 2000 W/DTS OFR	66491b7e-039c-4c96-989f-136b5a44c8aa	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 2000 W/DTP L OFR	2ae32466-4952-4d1e-97cf-88f3fdb3f387	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 2100 W/DTS OFR	4b279723-394c-4c44-8a7d-8804506cabf5	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 2300 W/DTS OFR	bccb6f98-b1df-4b09-9777-7d0c95b57df6	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 3000 W/DTS OFR	78e1128f-b105-4cf7-b75e-d67dd1f18348	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 3000 W/DTP OFR	cdf74e98-4a09-4bdf-8cd1-2fd9bd8791fb	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 3000 W/DTP L OFR	7f64dd22-3fef-4f43-9687-e059a2780381	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 4500 W/DTP OFR	782fd8ec-c849-4938-8aa7-c7e3cf98de9b	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 4500 W/DTP L OFR	e3531c7a-3edc-44b5-9af1-e8897b026c25	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	Declaration no. in SCIP database	Candidate list substance 1	CAS No. of substance 1	Safe use instruction
XBO 6000 W/DTP OFR	e4f4b242-7a8c-498b-b228-5826958e5b02	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 6000 W/DTP L OFR	f6d89da4-51dd-4635-9c45-ab11c9570709	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO 6000 W/DTP XL OFR	e4fe5722-8080-4b1b-84a7-cff7b12548e4	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.