XBO DTP for digital cinema projection

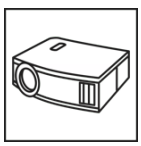
Xenon short-arc lamps

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



Technical data

	Electrical data		Dimensions & weight			
Product description	**Nominal wattage**	**Current control range**	**Diameter**	**Length**	**Length with base excl. base pins/connection**	**Light center length (LCL)**
XBO 1400 W/DTS OFR	1400.00 W	40...70 A	46.0 mm	245.0 mm	202.00 mm	100.5 mm [1)]
XBO 1600 W/DTS OFR	1600.00 W	50...80 A	46.0 mm	245.0 mm	202.00 mm	100.5 mm [1)]
XBO 1800 W/DTS OFR	1800.00 W	50...83 A	46.0 mm	245.0 mm	202.00 mm	100.5 mm [1)]
XBO 2000 W/DTS OFR	2000.00 W	60...90 A	46.0 mm	245.0 mm	202.00 mm	100.5 mm [1)]
XBO 2000 W/DTP L OFR	2000.00 W	64...95 A	55.0 mm	397.0 mm	354.00 mm	160.0 mm [1)]
XBO 2100 W/DTS OFR	2100.00 W	60...85 A	46.0 mm	265.0 mm	222.00 mm	120.5 mm [1)]
XBO 2300 W/DTS OFR	2300.00 W	60...90 A	46.0 mm	245.0 mm	202.00 mm	100.5 mm [1)]
XBO 3000 W/DTS OFR	3000.00 W	77...113 A	60.0 mm	335.0 mm	285.00 mm	125.0 mm [1)]
XBO 3000 W/DTP OFR	3000.00 W	74...109 A	60.0 mm	405.0 mm	354.00 mm	160.0 mm [1)]
XBO 3000 W/DTP L OFR	3000.00 W	74...109 A	60.0 mm	397.0 mm	354.00 mm	160.0 mm [1)]
XBO 4500 W/DTP OFR	4500.00 W	108...155 A	60.0 mm	426.0 mm	383.00 mm	165.0 mm [1)]
XBO 4500 W/DTP L OFR	4500.00 W	108...155 A	60.0 mm	426.0 mm	383.00 mm	165.0 mm [1)]
XBO 6000 W/DTP OFR	6000.00 W	140...175 A	78.0 mm	426.0 mm	383.00 mm	165.0 mm [1)]
XBO 6000 W/DTP L OFR	6000.00 W	130...166 A	78.0 mm	426.0 mm	383.00 mm	165.0 mm [1)]
XBO 6000 W/DTP XL OFR	6000.00 W	130...175 A	78.0 mm	426.0 mm	383.00 mm	165.0 mm [1)]

					Temperatures & operating conditions
Product description	**Product weight**	**Electrode gap cold**	**Cable length**	**Cable/wire length, input side**	**Max. permitted ambient temp. pinch point**
XBO 1400 W/DTS OFR	370.00 g	3.7 mm	121.0		230 °C
XBO 1600 W/DTS OFR	370.00 g	3.7 mm	121.0		230 °C
XBO 1800 W/DTS OFR	370.00 g	3.7 mm	121.0		230 °C
XBO 2000 W/DTS OFR	370.00 g	3.7 mm	121.0		230 °C
XBO 2000 W/DTP L OFR	483.00 g	4.5 mm			230 °C
XBO 2100 W/DTS OFR	380.00 g	3.7 mm	121.0		230 °C
XBO 2300 W/DTS OFR	370.00 g	3.7 mm	121.0		230 °C

Product family datasheet

					Temperatures & operating conditions
Product description	**Product weight**	**Electrode gap cold**	**Cable length**	**Cable/wire length, input side**	**Max. permitted ambient temp. pinch point**
XBO 3000 W/DTS OFR	520.00 g	4.8 mm			230 °C
XBO 3000 W/DTP OFR	558.00 g	6.0 mm			230 °C
XBO 3000 W/DTP L OFR	536.00 g	6.0 mm			230 °C
XBO 4500 W/DTP OFR	783.00 g	5.8 mm			230 °C
XBO 4500 W/DTP L OFR	783.00 g	5.8 mm			230 °C
XBO 6000 W/DTP OFR	920.00 g	7.5 mm			230 °C
XBO 6000 W/DTP L OFR	960.00 g	8.0 mm			230 °C
XBO 6000 W/DTP XL OFR	920.00 g	8.0 mm		-	230 °C

	Lifespan		**Additional product data**	
Product description	**Lifespan**	**Service Warranty Lifetime**	**Base anode (standard designation)**	**Base cathode (standard designation)**
XBO 1400 W/DTS OFR	3250 h	3500 h	Cable	SFc30-20
XBO 1600 W/DTS OFR	3250 h	3500 h	Cable	SFc30-20
XBO 1800 W/DTS OFR	1800 h	2100 h	Cable	SFc30-20
XBO 2000 W/DTS OFR	1300 h	1500 h	Cable	SFc30-20
XBO 2000 W/DTP L OFR	3300 h	4000 h	SFa30-14	SFc30-14
XBO 2100 W/DTS OFR	1100 h	1500 h	Cable	SFc30-20
XBO 2300 W/DTS OFR	1000 h	1200 h	Cable	SFc30-20
XBO 3000 W/DTS OFR	1200 h	1500 h	SFa30-14	SFc30-14
XBO 3000 W/DTP OFR	1500 h	2500 h	SFa30-14	SFc30-14
XBO 3000 W/DTP L OFR	1900 h	2800 h	SFa30-14	SFc30-14
XBO 4500 W/DTP OFR	1000 h	1300 h	SFa30-14	SFc30-14
XBO 4500 W/DTP L OFR	1300 h	1500 h	SFa30-14	SFc30-14
XBO 6000 W/DTP OFR	600 h	750 h	SFa30-14	SFc30-14
XBO 6000 W/DTP L OFR	900 h	1100 h	SFa30-14	SFc30-14
XBO 6000 W/DTP XL OFR	1000 h	1200 h	SFa30-14	SFc30-14

	Capabilities		**Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)**	
Product description	**Cooling**	**Burning position**	**Date of Declaration**	**Primary Article Identifier**
XBO 1400 W/DTS OFR	Forced	s15/p15 [2)]	06-03-2024	4052899417793
XBO 1600 W/DTS OFR	Forced	s15/p15 [2)]	06-03-2024	4052899417786
XBO 1800 W/DTS OFR	Forced	s15/p15 [2)]	06-03-2024	4052899343276
XBO 2000 W/DTS OFR	Forced	s15/p15 [2)]	06-03-2024	4052899308862
XBO 2000 W/DTP L OFR	Forced	s15/p15 [2)]	06-03-2024	4052899287884
XBO 2100 W/DTS OFR	Forced	s15/p15 [2)]	06-03-2024	4052899376328
XBO 2300 W/DTS OFR	Forced	s15/p15 [2)]	06-03-2024	4052899359659

Product family datasheet

	Capabilities		Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Product description	**Cooling**	**Burning position**	**Date of Declaration**	**Primary Article Identifier**
XBO 3000 W/DTS OFR	Forced	s15/p15 [2)]	06-03-2024	4008321645050 | 4008321865519 | 4062172030489
XBO 3000 W/DTP OFR	Forced	s15/p15 [2)]	05-03-2024	4008321191540 | 4052899509474
XBO 3000 W/DTP L OFR	Forced	s15/p15 [2)]	06-03-2024	4052899430549
XBO 4500 W/DTP OFR	Forced	s15/p15 [2)]	05-03-2024	4008321372734 | 4062172031387
XBO 4500 W/DTP L OFR	Forced	s15/p15 [2)]	06-03-2024	4052899343399 | 4062172026567 | 4062172030601
XBO 6000 W/DTP OFR	Forced	s15/p15 [2)]	05-03-2024	4008321549709 | 4052899143975 | 4062172030700
XBO 6000 W/DTP L OFR	Forced	s15/p15 [2)]	06-03-2024	4052899343429 | 4062172030717
XBO 6000 W/DTP XL OFR	Forced	s15/p15 [2)]	07-03-2024	4062172111652

Product description	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
XBO 1400 W/DTS OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	44c9ce65-f5ed-44dd-a504-39f577e463b2
XBO 1600 W/DTS OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	6ce18136-8e41-4ce4-8ffe-a9270a50dd0e
XBO 1800 W/DTS OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	769ad45d-8aa4-41da-95d2-7a202cd96d40
XBO 2000 W/DTS OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	66491b7e-039c-4c96-989f-136b5a44c8aa

Product family datasheet

Product description	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
XBO 2000 W/DTP L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	2ae32466-4952-4d1e-97cf-88f3fdb3f387
XBO 2100 W/DTS OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	4b279723-394c-4c44-8a7d-8804506cabf5
XBO 2300 W/DTS OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	bccb6f98-b1df-4b09-9777-7d0c95b57df6
XBO 3000 W/DTS OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	78e1128f-b105-4cf7-b75e-d67dd1f18348
XBO 3000 W/DTP OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	cdf74e98-4a09-4bdf-8cd1-2fd9bd8791fb
XBO 3000 W/DTP L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	7f64dd22-3fef-4f43-9687-e059a2780381
XBO 4500 W/DTP OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	782fd8ec-c849-4938-8aa7-c7e3cf98de9b
XBO 4500 W/DTP L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	e3531c7a-3edc-44b5-9af1-e8897b026c25
XBO 6000 W/DTP OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	e4f4b242-7a8c-498b-b228-5826958e5b02

Product description	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
XBO 6000 W/DTP L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	f6d89da4-51dd-4635-9c45-ab11c9570709
XBO 6000 W/DTP XL OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	e4fe5722-8080-4b1b-84a7-cff7b12548e4

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

[2] For vertical burning position: anode (+) on top

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.