

## XBO DHP for digital cinema projection

Xenon short-arc lamps

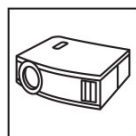


### Areas of application

- 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

### Technical data

Product description	Electrical data		Dimensions & weight			
	Nominal wattage	Current control range	Diameter	Length	Length with base excl. base pins/connection	Cable/wire length, input side
XBO 1200 W/DHP OFR	1200.00 W	41...63 A	46.5 mm	345.0 mm	295.00 mm	130 mm
XBO 1600 W/DHP OFR	1600.00 W	57...86 A	46.5 mm	345.0 mm	295.00 mm	130 mm
XBO 2000 W/DHP L OFR	2000.00 W	64...95 A	55.0 mm	345.0 mm	295.00 mm	130 mm
XBO 2200 W/DHP OFR	2200.00 W	68...95 A	52.0 mm	345.0 mm	295.00 mm	130 mm
XBO 2500 W/DHP OFR	2500.00 W	63...95 A	55.0 mm	345.0 mm	295.00 mm	130 mm
XBO 3000 W/DHS OFR	3000.00 W	77...113 A	60.0 mm	342.0 mm	302.00 mm	155 mm
XBO 3000 W/DHP OFR	3000.00 W	77...113 A	55.0 mm	345.0 mm	295.00 mm	130 mm
XBO 3000 W/DHP L OFR	3000.00 W	76...111 A	60.0 mm	345.0 mm	295.00 mm	130 mm
XBO 3000 W/DHP XL OFR	3000.00 W	76...111 A	60.0 mm	345.0 mm	295.00 mm	130 mm
XBO 4000 W/DHP L OFR	4000.00 W	95...137 A	60.0 mm	345.0 mm	295.00 mm	130 mm
XBO 4000 W/DHP LL OFR	4000.00 W	95...137 A	60.0 mm	345.0 mm	295.00 mm	130 mm
XBO 4000 W/DHP XL OFR	4000.00 W	95...137 A	60.0 mm	345.0 mm	295.00 mm	130 mm
XBO 4000 W/DHP OFR	4200.00 W	91...130 A	60.0 mm	345.0 mm	295.00 mm	130 mm
XBO 4500 W/DHP OFR	4500.00 W	108...155 A	60.0 mm	436.0 mm	393.00 mm	155 mm
XBO 4500 W/DHP L OFR	4500.00 W	108...155 A	60.0 mm	436.0 mm	393.00 mm	155 mm
XBO 6000 W/DHP OFR	6000.00 W	131...174 A	78.0 mm	436.0 mm	393.00 mm	155 mm
XBO 6000 W/DHP L OFR	6000.00 W	125...160 A	78.0 mm	436.0 mm	393.00 mm	155 mm
XBO 6000 W/DHP XL OFR	6000.00 W	125...160 A	78.0 mm	436.0 mm	393.00 mm	155 mm
XBO 6500 W/DHP OFR	6500.00 W	133...173 A	78.0 mm	436.0 mm	393.00 mm	155 mm
XBO 6500 W/DHP L OFR	6500.00 W	133...173 A	78.0 mm	436.0 mm	393.00 mm	155 mm
XBO 6500 W/DHP XL OFR	6500.00 W	133...173 A	78.0 mm	436.0 mm	393.00 mm	155 mm
XBO 7000W/DHP OFR	7000.00 W	130...175 A	78.0 mm	436.0 mm	393.00 mm	155 mm

## Product family datasheet

Product description	Product weight	Cable length	Electrode gap cold	Light center length (LCL)	Temperatures & operating conditions
					Max. permitted ambient temp. pinch point
XBO 1200 W/DHP OFR	485.00 g	130.0	3.5 mm	123.0 mm <sup>1)</sup>	230 °C
XBO 1600 W/DHP OFR	485.00 g	130.0	3.5 mm	123.0 mm <sup>1)</sup>	230 °C
XBO 2000 W/DHP L OFR	530.00 g	130.0	4.5 mm	123.0 mm <sup>1)</sup>	230 °C
XBO 2200 W/DHP OFR	534.00 g	130.0	3.7 mm	123.0 mm <sup>1)</sup>	230 °C
XBO 2500 W/DHP OFR	558.00 g	130.0	4.5 mm	123.0 mm <sup>1)</sup>	230 °C
XBO 3000 W/DHS OFR	591.00 g	155.0	6.0 mm	145.0 mm <sup>1)</sup>	230 °C
XBO 3000 W/DHP OFR	581.00 g	130.0	4.5 mm	123.0 mm <sup>1)</sup>	230 °C
XBO 3000 W/DHP L OFR	623.00 g	130.0	5.0 mm	123.0 mm <sup>1)</sup>	230 °C
XBO 3000 W/DHP XL OFR	623.00 g	130.0	5.0 mm	123.0 mm <sup>1)</sup>	230 °C
XBO 4000 W/DHP L OFR	645.00 g	130.0	6.0 mm	123.0 mm <sup>1)</sup>	230 °C
XBO 4000 W/DHP LL OFR	645.00 g	130.0	6.3 mm	123.0 mm	
XBO 4000 W/DHP XL OFR	645.00 g	130.0	6.3 mm	123.0 mm <sup>1)</sup>	230 °C
XBO 4000 W/DHP OFR	670.00 g	130.0	6.0 mm	123.0 mm <sup>1)</sup>	230 °C
XBO 4500 W/DHP OFR	853.00 g	155.0	6.0 mm	170.5 mm <sup>1)</sup>	230 °C
XBO 4500 W/DHP L OFR	853.00 g	155.0	6.0 mm	170.5 mm <sup>1)</sup>	230 °C
XBO 6000 W/DHP OFR	1000.00 g	155.0	7.5 mm	170.5 mm <sup>1)</sup>	230 °C
XBO 6000 W/DHP L OFR	1050.00 g	155.0	7.5 mm	170.5 mm <sup>1)</sup>	230 °C
XBO 6000 W/DHP XL OFR	1000.00 g	155.0	8.0 mm	170.5 mm <sup>1)</sup>	230 °C
XBO 6500 W/DHP OFR	1023.00 g	155.0	7.5 mm	170.5 mm <sup>1)</sup>	230 °C
XBO 6500 W/DHP L OFR	1023.00 g	155.0	8.0 mm	170.5 mm <sup>1)</sup>	230 °C
XBO 6500 W/DHP XL OFR	1023.00 g	155.0	8.0 mm	170.5 mm <sup>1)</sup>	230 °C
XBO 7000W/DHP OFR	1023.00 g	155.0	7.5 mm	170.5 mm <sup>1)</sup>	230 °C

Product description	Lifespan		Additional product data	
	Lifespan	Service Warranty Lifetime	Base anode (standard designation)	Base cathode (standard designation)
XBO 1200 W/DHP OFR	3000 h	3800 h	SFaX30-14	SFc30-16
XBO 1600 W/DHP OFR	3000 h	3800 h	SFaX30-14	SFc30-16
XBO 2000 W/DHP L OFR	3300 h	3500 h	SFaX30-14	SFc30-16
XBO 2200 W/DHP OFR	1500 h	2000 h	SFaX27-14x80	SFc27-16/55
XBO 2500 W/DHP OFR	1700 h	2000 h	SFaX27-14x80	SFc27-16/55
XBO 3000 W/DHS OFR	1500 h	2000 h	SFaX27-9.5	SFa27-7.9
XBO 3000 W/DHP OFR	1500 h	1900 h	SFaX27-14x80	SFc27-16/55
XBO 3000 W/DHP L OFR	1900 h	2100 h	SFaX27-14x80	SFc27-16/55
XBO 3000 W/DHP XL OFR	2200 h	2400 h	SFaX27-14x80	SFc27-16/55
XBO 4000 W/DHP L OFR	1300 h	1500 h	SFaX27-14x80	SFc27-16/55
XBO 4000 W/DHP LL OFR	1500 h	1900 h	SFaX27-14x80	SFc27-16/55
XBO 4000 W/DHP XL OFR	1900 h	2100 h	SFaX27-14x80	SFc27-16/55
XBO 4000 W/DHP OFR	1100 h	1400 h	SFaX27-14x80	SFc27-16/55

## Product family datasheet

Product description	Lifespan		Additional product data	
	Lifespan	Service Warranty Lifetime	Base anode (standard designation)	Base cathode (standard designation)
XBO 4500 W/DHP OFR	1000 h	1300 h	SFaX30-9.5	SFa30-7.9
XBO 4500 W/DHP L OFR	1300 h	1500 h	SFaX30-9.5	SFa30-7.9
XBO 6000 W/DHP OFR	650 h	800 h	SFaX30-9.5	SFa30-7.9
XBO 6000 W/DHP L OFR	900 h	1100 h	SFaX30-9.5	SFa30-7.9
XBO 6000 W/DHP XL OFR	1000 h	1200 h	SFaX30-9.5	SFa30-7.9
XBO 6500 W/DHP OFR	500 h	750 h	SFaX30-9.5	SFa30-7.9
XBO 6500 W/DHP L OFR	700 h	800 h	SFaX30-9.5	SFa30-7.9
XBO 6500 W/DHP XL OFR	900 h	1000 h	SFaX30-9.5	SFa30-7.9
XBO 7000W/DHP OFR	400 h	500 h	SFaX30-9.5	SFa30-7.9

Product description	Capabilities		Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (RECh)	
	Cooling	Burning position	Date of Declaration	Primary Article Identifier
XBO 1200 W/DHP OFR	Forced	s15/p15 <sup>2)</sup>	09-12-2022	4008321396433   4052899497962   4062172030472
XBO 1600 W/DHP OFR	Forced	s15/p15 <sup>2)</sup>	16-12-2022	4052899254831   4062172030465
XBO 2000 W/DHP L OFR	Forced	s15/p15 <sup>2)</sup>	16-12-2022	4052899275638   4062172030427
XBO 2200 W/DHP OFR	Forced	s15/p15 <sup>2)</sup>	13-01-2023	4008321865489   4062172030373
XBO 2500 W/DHP OFR	Forced	s15/p15 <sup>2)</sup>	16-12-2022	4008321821706   4052899010413   4062172030380
XBO 3000 W/DHS OFR	Forced	s15/p15 <sup>2)</sup>	16-12-2022	4008321199065   4008321330017   4062172030540
XBO 3000 W/DHP OFR	Forced	s15/p15 <sup>2)</sup>	16-12-2022	4008321309532   4008321330048   4008321865496   4052899091818   4052899096073   4052899195783   4052899287785   4052899468191   4062172030410
XBO 3000 W/DHP L OFR	Forced	s15/p15 <sup>2)</sup>	09-12-2022	4052899212886   4052899235908   4052899317277   4062172030502
XBO 3000 W/DHP XL OFR	Forced	s15/p15 <sup>2)</sup>	16-12-2022	4062172092401
XBO 4000 W/DHP L OFR	Forced	p15/s15 <sup>2)</sup>	16-12-2022	4052899212879   4052899235915   4052899468214   4062172030403
XBO 4000 W/DHP LL OFR	Forced	p15/s15 <sup>2)</sup>	30-12-2022	4062172114080

## Product family datasheet

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 4000 W/DHP XL OFR	Forced	s15/p15 <sup>2)</sup>	16-12-2022	4062172092395
XBO 4000 W/DHP OFR	Forced	s15/p15 <sup>2)</sup>	04-02-2022	4008321309686   4008321546272   4008321865526   4052899091825   4052899096080   4052899195790   4052899287792   4052899317208   10046135694810   4062172030397
XBO 4500 W/DHP OFR	Forced	s15/p15 <sup>2)</sup>	28-01-2022	4008321199072   4008321633422   4062172030571
XBO 4500 W/DHP L OFR	Forced	s15/p15 <sup>2)</sup>	13-01-2023	4052899343344   4062172030588
XBO 6000 W/DHP OFR	Forced	s15/p15 <sup>2)</sup>	16-12-2022	4008321549693   4052899144026   4062172030663
XBO 6000 W/DHP L OFR	Forced	s15/p15 <sup>2)</sup>	13-01-2023	4052899087088   4052899343405   4062172030670
XBO 6000 W/DHP XL OFR	Forced	s15/p15 <sup>2)</sup>	16-12-2022	4062172110839
XBO 6500 W/DHP OFR	Forced	s15/p15 <sup>2)</sup>	28-01-2022	4008321676078   4062172030731
XBO 6500 W/DHP L OFR	Forced	s15/p15 <sup>2)</sup>	28-01-2022	4052899448636   4062172030755
XBO 6500 W/DHP XL OFR	Forced	s15/p15 <sup>2)</sup>	03-03-2023	4052899593640   4062172031684   4062172363792
XBO 7000W/DHP OFR	Forced	s15/p15 <sup>2)</sup>	16-12-2022	4062172031707

Product description	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
XBO 1200 W/DHP OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	f6cc71e9-adae-4c95-afe0-07d36b5e74f6
XBO 1600 W/DHP OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	ddc0ca29-d545-4244-bd3d-01657e49e316

## 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/DHP L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	3cc8eb7d-934b-482f-ade0-0afdb83ac51b
XBO 2200 W/DHP OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	5e903ee1-3cc9-40f0-ae95-0a54da9c2b3a
XBO 2500 W/DHP OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	2699a8c3-f6d1-4519-a2c4-83464e509907
XBO 3000 W/DHS OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	0ad1e6ac-a107-4e86-a73c-0a8cdc49edb4   468DF0C2-2DA9-47B4-A001-357079E3D0C0
XBO 3000 W/DHP OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	A303E60B-72E8-4104-9C0C-1F16ADEED959   2C70619C-7452-40E1-9F11-72C36A77558D     34a49bce-cf7a-477b-8d7b-991718631ed4
XBO 3000 W/DHP L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	42b5a623-65c3-4fc7-b272-e9973ba1c9ec
XBO 3000 W/DHP XL OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	4d1b0324-7408-4c16-afc9-0e4165c645a1
XBO 4000 W/DHP L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	A182C938-75EF-44E7-A0E6-E8E301002B19     ee6fe08d-465e-439d-9156-a1830163f87d

## Product family datasheet

Product description	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
XBO 4000 W/DHP LL OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	68536058-a0f0-4f39-8967-a173bfd19c5b
XBO 4000 W/DHP XL OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	cc43340f-d501-48a4-97e6-2064cf408c27
XBO 4000 W/DHP OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	ce588d4a-f4ef-4dda-8e54-ddab4457e440     56FF5A8B-6EA4-41C2-BD17-D898F6C185D1
XBO 4500 W/DHP OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	012F940F-18DD-409C-9473-04140360C548
XBO 4500 W/DHP L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	3de76945-7771-4e03-9280-550799b927c9
XBO 6000 W/DHP OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	8566eac2-b860-4860-9c27-f7b8e2871b1f
XBO 6000 W/DHP L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	e1be3907-8f4f-4d48-b496-86874180bac4
XBO 6000 W/DHP XL OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	e98aa7da-cb44-4008-ab03-b605fac43791
XBO 6500 W/DHP OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	412959B3-E26E-4A82-89BA-3CE9A6FA908B

## Product family datasheet

Product description	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
XBO 6500 W/DHP L OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	326FC61E-87E5-491E-A54A-876602402F4A
XBO 6500 W/DHP XL OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	0afbcf5a-721a-4942-bd3d-6024b2eff6a3
XBO 7000W/DHP OFR	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	885c4405-74b6-4820-817d-399a936e4918

<sup>1)</sup> Distance from end of base to tip of electrode (cold)

<sup>2)</sup> For vertical burning position: anode (+) on top



## Product family datasheet

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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.

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### Application advice

For more detailed application information and graphics please see product datasheet.

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.