

## XBO for cinema projection

Xenon short-arc lamps 450...10,000 W



### Areas of application

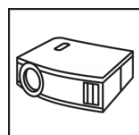
- Classic 35 mm film projection
- Digital film and video projection
- Architectural and effect light ("Light Finger")
- Sunlight simulation

### Product family benefits

- Short arc with very high luminance for brighter screen illumination
- Constant color temperature of 6,000 K throughout the entire lamp lifetime
- Easy to maintain
- High arc stability
- Instant light on screen thanks to hot restart function
- Wide dimming range

### Product family features

- Color temperature: approx. 6,000 K (Daylight)
- Wattage: 450...10,000 W
- Very good color rendering index:  $R_a >$

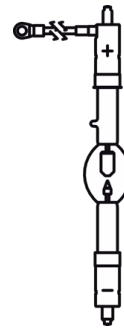


## Product family datasheet



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324321\_XBO XENON SHORT ARC LAMP - 3000WHTP  
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324319\_XBO XENON SHORT ARC LAMP - 2000 WH XL



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330832\_XBO XENON SHORT ARC LAMPS

## Product family datasheet

### Technical data

Product description	Electrical data		Dimensions & weight			Temperatures & operating conditions
	Nominal current	Current control range	Length	Length with base excl. base pins/connection	Light center length (LCL)	Max. permitted ambient temp. pinch point
XBO 1000 W/HS OFR <sup>1)</sup>	50 A	30...55 A	235.0 mm	205.00 mm	95.0 mm <sup>6)</sup>	230 °C
XBO 1000 W/HSC OFR <sup>2)</sup>	50 A	30...55 A	236.0 mm	220.00 mm	95.0 mm <sup>6)</sup>	230 °C
XBO 1000 W/HTP OFR <sup>3)</sup>	45 A	30...55 A	330.0 mm	277.00 mm	123.0 mm <sup>6)</sup>	230 °C
XBO 1600 W XL OFR	65 A	45...75 A	370.0 mm	322.00 mm	143.0 mm <sup>6)</sup>	230 °C
XBO 1600 W/HSC XL OFR	6500 A	50...70 A	236.0 mm	222.00 mm	95.0 mm <sup>6)</sup>	230 °C
XBO 2000 W/HS OFR <sup>4)</sup>	80 A	50...85 A	342.0 mm	302.00 mm	145.0 mm <sup>6)</sup>	230 °C
XBO 2000 W/SHSC OFR <sup>5)</sup>	75.00 A	50...85 A	236.0 mm	220.00 mm	95.0 mm <sup>6)</sup>	230 °C
XBO 2000 W/H XL OFR	7500 A	50...85 A	370.0 mm	322.00 mm	142.5 mm <sup>6)</sup>	230 °C
XBO 2000 W/HTP XL OFR	7000 A	50...85 A	375.0 mm	322.00 mm	142.5 mm <sup>6)</sup>	230 °C
XBO 2500 W/HS XL OFR	9000 A	70...100 A	342.0 mm	302.00 mm	145.0 mm <sup>6)</sup>	230 °C
XBO 3000 W/H XL OFR	105 A	70...110 A	428.0 mm	382.00 mm	167.5 mm <sup>6)</sup>	230 °C
XBO 3000 W/HS XL OFR	100 A	70...110 A	342.0 mm	302.00 mm	145.0 mm <sup>6)</sup>	230 °C
XBO 3000 W/HTP XL OFR	100.00 A	70...110 A	405.0 mm	357.00 mm	162.5 mm <sup>6)</sup>	230 °C
XBO 4000 W/HSA OFR	13500 A	80...150 A	416.0 mm	370.00 mm	171.0 mm <sup>6)</sup>	230 °C
XBO 4000 W/HS XL OFR	135 A	80...150 A	416.0 mm	370.00 mm	171.0 mm <sup>6)</sup>	230 °C
XBO 4000 W/HTP XL OFR	130 A	100...140 A	410.0 mm	382.00 mm	167.5 mm <sup>6)</sup>	230 °C
XBO 4500 W/HS XL OFR	135 A	80...150 A	413.0 mm	370.00 mm	171.0 mm <sup>6)</sup>	230 °C
XBO 5000 W/H XL OFR	140 A	100...150 A	433.0 mm	382.00 mm	167.5 mm <sup>6)</sup>	230 °C
XBO 6000 W/HS XL OFR	160 A	110...165 A	436.0 mm	393.00 mm	170.5 mm <sup>6)</sup>	230 °C
XBO 7000 W/HS XL OFR	160 A	110...165 A	436.0 mm	393.00 mm	170.5 mm <sup>6)</sup>	230 °C
XBO 10000 W/HS OFR <sup>1)</sup>	19500 A	160...200 A	436.0 mm	393.00 mm	170.5 mm <sup>6)</sup>	230 °C

## Product family datasheet

Product description	Lifespan	Additional product data		Capabilities
	Lifespan	Base anode (standard designation)	Base cathode (standard designation)	Burning position
XBO 1000 W/HS OFR <sup>1)</sup>	2000 h	SFa27-11	SFcX27-8	s20/p20 <sup>7)</sup>
XBO 1000 W/HSC OFR <sup>2)</sup>	2000 h	SK27/50	SFcX27-8	s20/p20 <sup>7)</sup>
XBO 1000 W/HTP OFR <sup>3)</sup>	2400 h	SFa25-14	SFc25-14	s30/p30 <sup>7)</sup>
XBO 1600 W XL OFR	3500 h	SFaX27-10	SFa27-12	Other <sup>8)</sup>
XBO 1600 W/HSC XL OFR	2500 h	SK27/50	SFcX27-8	s20/p20 <sup>7)</sup>
XBO 2000 W/HS OFR <sup>4)</sup>	2400 h	SFaX27-9.5	SFa27-7.9	s30/p30 <sup>7)</sup>
XBO 2000 W/SHSC OFR <sup>5)</sup>	2000 h	SK27/50	SFcX27-8	s30/p30 <sup>7)</sup>
XBO 2000 W/H XL OFR	3500 h	SFaX27-10	SFaX27-12	s30/p30 <sup>7)</sup>
XBO 2000 W/HTP XL OFR	3500 h	SFa25-14	SFc25-14	s30/p30 <sup>7)</sup>
XBO 2500 W/HS XL OFR	2200 h	SFaX27-9.5	SFa27-7.9	s30/p30 <sup>7)</sup>
XBO 3000 W/H XL OFR	2200 h	SFaX30-13	SFaX30-14	s30/p30 <sup>7)</sup>
XBO 3000 W/HS XL OFR	2200 h	SFaX30-9.5	SFa30-7.9	s30/p30 <sup>7)</sup>
XBO 3000 W/HTP XL OFR	2200 h	SFa30-14	SFc27-14	s30/p30 <sup>7)</sup>
XBO 4000 W/HSA OFR	1000 h	SFaX30-9.5	SFa30-7.9	s20/p20 <sup>7)</sup>
XBO 4000 W/HS XL OFR	1500 h	SFaX30-9.5	SFa30-7.9	s30/p30 <sup>7)</sup>
XBO 4000 W/HTP XL OFR	1500 h	SFa30-14	SFc30-14	s20/p20 <sup>7)</sup>
XBO 4500 W/HS XL OFR	1400 h	SFaX30-9.5	SFa30-7.9	s15/p15 <sup>7)</sup>
XBO 5000 W/H XL OFR	1200 h	SFaX30-16	SFaX28-18	s15/p15 <sup>7)</sup>
XBO 6000 W/HS XL OFR	750 h	SFaX30-9.5	SFa30-7.9	s15/p15 <sup>7)</sup>
XBO 7000 W/HS XL OFR	650 h	SFaX30-9.5	SFa30-7.9	s15/p15 <sup>7)</sup>
XBO 10000 W/HS OFR <sup>1)</sup>	300 h	SFaX30-9.5	SFa30-7.9	s15/p15 <sup>7)</sup>

Product description	Environmental information			
	Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)			
Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1
XBO 1000 W/HS OFR <sup>1)</sup>	05-03-2024	4008321082114   4050300933566	Lead	7439-92-1
XBO 1000 W/HSC OFR <sup>2)</sup>	05-03-2024	4008321082107	Lead	7439-92-1
XBO 1000 W/HTP OFR <sup>3)</sup>	05-03-2024	4008321081353   4062172030243	Lead	7439-92-1
XBO 1600 W XL OFR	05-03-2024	4008321299918   4062172031714	Lead	7439-92-1
XBO 1600 W/HSC XL OFR	05-03-2024	4008321299932   4062172031721	Lead	7439-92-1
XBO 2000 W/HS OFR <sup>4)</sup>	06-03-2024	4008321081360   4062172030359	Lead	7439-92-1
XBO 2000 W/SHSC OFR <sup>5)</sup>	05-03-2024	4008321082077	Lead	7439-92-1
XBO 2000 W/H XL OFR	05-03-2024	4008321211781	Lead	7439-92-1
XBO 2000 W/HTP XL OFR	05-03-2024	4008321244031   4008321650429	Lead	7439-92-1
XBO 2500 W/HS XL OFR	05-03-2024	4008321299963   4062172030250	Lead	7439-92-1
XBO 3000 W/H XL OFR	05-03-2024	4008321226174	Lead	7439-92-1

## Product family datasheet

Product description	Environmental information			
	Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)			
Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1
XBO 3000 W/HS XL OFR	05-03-2024	4008321330031   4062172030311   4062172152341	Lead	7439-92-1
XBO 3000 W/HTP XL OFR	05-03-2024	4008321244017   4008321650436	Lead	7439-92-1
XBO 4000 W/HSA OFR	05-03-2024	4008321337030   4008321412980	Lead	7439-92-1
XBO 4000 W/HS XL OFR	05-03-2024	4008321201133   4008321412812	Lead	7439-92-1
XBO 4000 W/HTP XL OFR	05-03-2024	4008321244024   4008321412874	Lead	7439-92-1
XBO 4500 W/HS XL OFR	05-03-2024	4008321412881	Lead	7439-92-1
XBO 5000 W/H XL OFR	05-03-2024	4008321412829	Lead	7439-92-1
XBO 6000 W/HS XL OFR	05-03-2024	4008321412904   4062172030618	Lead	7439-92-1
XBO 7000 W/HS XL OFR	05-03-2024	4008321412928   4062172030625	Lead	7439-92-1
XBO 10000 W/HS OFR <sup>1)</sup>	05-03-2024	4050300624532   4008321552327   4062172030724	Lead	7439-92-1

Product description	Safe Use Instruction	Declaration No. in SCIP database
XBO 1000 W/HS OFR <sup>1)</sup>	The identification of the Candidate List substance is sufficient to allow safe use of the article.	22b5c075-11fc-41b0-ad60-dec034d8f30c
XBO 1000 W/HSC OFR <sup>2)</sup>	The identification of the Candidate List substance is sufficient to allow safe use of the article.	f094a128-1489-4dbf-8649-bb523f769078
XBO 1000 W/HTP OFR <sup>3)</sup>	The identification of the Candidate List substance is sufficient to allow safe use of the article.	4a09dcc0-a0da-4682-93fa-303d254e4c80
XBO 1600 W XL OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	c83dcc90-6023-4924-b0d8-b34998daa554

## Product family datasheet

Product description	Safe Use Instruction	Declaration No. in SCIP database
XBO 1600 W/HSC XL OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	49877f08-b6d6-461c-b64a-018655e8a602   7a9913f5-169b-4ced-8b20-4a10b8b6fd73
XBO 2000 W/HS OFR <sup>4)</sup>	The identification of the Candidate List substance is sufficient to allow safe use of the article.	e8ef51c8-36d5-458d-aa43-bff7de28bede
XBO 2000 W/SHSC OFR <sup>5)</sup>	The identification of the Candidate List substance is sufficient to allow safe use of the article.	d7d8f0b3-9cce-48bc-b9a2-a440e89f5b64
XBO 2000 W/H XL OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	9833f335-0b1f-45d1-96ec-3872939e7bed
XBO 2000 W/HTP XL OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	6289c378-8cb7-40d8-bd67-f74e947878c5
XBO 2500 W/HS XL OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	ea7f9ace-f767-4dd4-8383-1b55f8e488b7
XBO 3000 W/H XL OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	57f4a7ba-4fa1-44ab-8b28-00f5e4847066
XBO 3000 W/HS XL OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	dd2ddf15-037b-4473-8156-97498e721fb3   c331ba5b-e29f-4e83-9bdd-095d344154b8
XBO 3000 W/HTP XL OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	847c6873-a086-4887-b5a4-0fcb40e47dbc

## Product family datasheet

Product description	Safe Use Instruction	Declaration No. in SCIP database
XBO 4000 W/HSA OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	0b6df52f-0b97-4d4d-bcc0-6d1dab9f13b9
XBO 4000 W/HS XL OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	65c64d0a-d452-470b-8914-c022a2c5a556
XBO 4000 W/HTP XL OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	35c99854-8d47-47b1-bfdc-a286862d25e2
XBO 4500 W/HS XL OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	2a7bfa41-544e-40aa-a314-c9fc5872b500
XBO 5000 W/H XL OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	6666821c-6025-4ae2-9049-74872cf69c52
XBO 6000 W/HS XL OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	ff65d599-ce0d-4b3f-b2e1-ecbcefe3d8f1
XBO 7000 W/HS XL OFR	The identification of the Candidate List substance is sufficient to allow safe use of the article.	1ed097d6-f451-4c5c-b29a-3f156fd7504f
XBO 10000 W/HS OFR <sup>1)</sup>	The identification of the Candidate List substance is sufficient to allow safe use of the article.	7934C4E7-AD5D-4E20-9BAA-2349E600F6AD     cb26f713-f336-4c5c-b8f4-f0f8d52a0f47

<sup>1)</sup> OFR = Ozone-free version/H = Suitable for horizontal burning position/S = Short

<sup>2)</sup> OFR = Ozone-free version/H = Suitable for horizontal burning position/S = Short/C= Base with cable

<sup>3)</sup> OFR = Ozone-free version/H = Suitable for horizontal burning position/TP = Cable with threaded pins

<sup>4)</sup> H = Suitable for horizontal burning position/S = Short

## Product family datasheet

5) OFR = Ozone-free version. SHSC = Extra short version for horizontal burning position, anode connection via cable (super short). Similar dimensions to XBO 1600 A/HSC OFR

6) Distance from end of base to tip of electrode (cold)

7) For vertical burning position: anode (+) on top

8) Anode on top



## Product family datasheet

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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.