

XBO

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



Areas of application

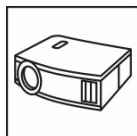
- Classic 35 mm film projection
- Digital film and video projection
- Architectural and effect light ("Light Finger")
- Sunlight simulation

Product benefits

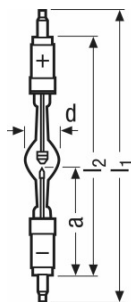
- Short arc with very high luminance for brighter screen illumination
- Constant color temperature of 6,000 K throughout the entire lamp lifetime
- Easy to maintain
- High arc stability
- Instant light on screen thanks to hot restart function
- Wide dimming range

Product features

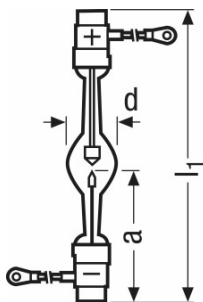
- Color temperature: approx. 6,000 K (Daylight)
- Wattage: 1,200...8,000 W
- Very good color rendering index: $R_a >$



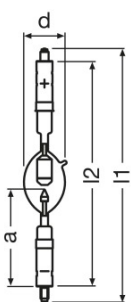
Product family datasheet



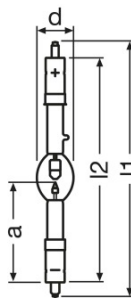
Product line drawing



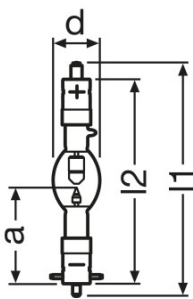
Product line drawing



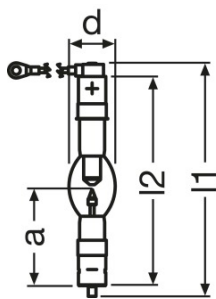
Product line drawing



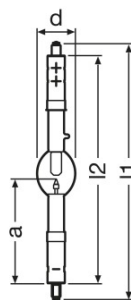
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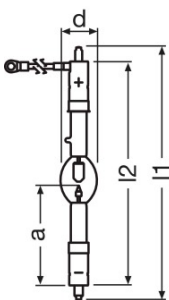
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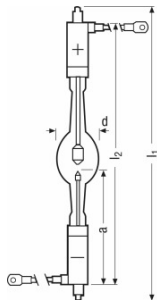
Product line drawing



Product line drawing

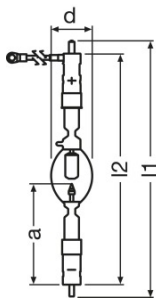


Product line drawing

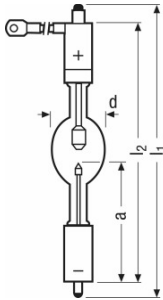


Product line drawing

Product family datasheet



Product line drawing



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Technical data

	Electrical data		Dimensions & weight		Temperatures & operating conditions	Lifespan	Additional product data
Product description	Nominal current	Current control range	Length	Light center length (LCL)	Max. permitted ambient temp. pinch point	Lifespan	Base anode (standard designation)
XBO 450 W ¹⁾	18.0 A	17...30 A	260.0 mm	95.5 mm ⁹⁾	230 °C	2000 h	SFa20-8
XBO 450 W OFR	25.0 A	17...30 A	260.0 mm	95.5 mm ⁹⁾	230 °C	2000 h	SFa20-8
XBO 450 W/1	25.0 A	17...30 A	202.0 mm	95.5 mm ⁹⁾	230 °C	800 h	SFa20-8
XBO 450 W/2 OFR ²⁾	25.0 A	17...30 A	177.0 mm	79.0 mm ⁹⁾	230 °C	2000 h	SK19/36
XBO 450 W/4	25.0 A	17...30 A	260.0 mm	95.5 mm ⁹⁾	230 °C	2000 h	SFa20-8
XBO 500 W/H OFR ³⁾	28.0 A	17...30 A	190.0 mm	75.0 mm ⁹⁾	230 °C	2000 h	SFa16-8
XBO 1000 W/HS OFR ⁴⁾	50.0 A	30...55 A	235.0 mm	95.0 mm ⁹⁾	230 °C	2000 h	SFa27-11
XBO 1000 W/HSC OFR ⁵⁾	50.0 A	30...55 A	236.0 mm	95.0 mm ⁹⁾	230 °C	2000 h	SK27/50
XBO 1000 W/HTP OFR ⁶⁾	45.0 A	30...55 A	330.0 mm	123.0 mm ⁹⁾	230 °C	2400 h	SFa25-14
XBO 2000 W/SHSC OFR ⁷⁾	70.0 A	50...85 A	236.0 mm	95.0 mm ⁹⁾	230 °C	2000 h	SK27/50
XBO 2001 W/HS OFR ⁸⁾	80.0 A		342.0 mm				SK27/50
XBO 2500 W OFR ²⁾	85.0 A	60...95 A	426.0 mm	167.5 mm ⁹⁾	230 °C	2000 h	SFaX27-13
XBO 4000 W/HSA OFR	135 A	80...150 A	410.0 mm	171.0 mm ⁹⁾	230 °C	1000 h	SFaX30-9.5
XBO 8000 W/HS OFR	175 A	150...180 A	433.0 mm	170.5 mm ⁹⁾	230 °C	500 h	SFaX30-9.5
XBO 10000 W/HS OFR	195 A	160...200 A	433.0 mm	170.5 mm ⁹⁾	230 °C	500 h	SFaX30-9.5
Product description	Base cathode (standard designation)	Capabilities		Burning position			
XBO 450 W ¹⁾	SFa20-10	s30 ¹⁰⁾					

Product family datasheet

Product description	Base cathode (standard designation)	Capabilities
		Burning position
XBO 450 W OFR	SFa20-10	s30 ¹⁰⁾
XBO 450 W/1	SFa20-10	s80p10 ¹⁰⁾
XBO 450 W/2 OFR ²⁾	SK19/36	s30 ¹⁰⁾
XBO 450 W/4	SFa20-10	s30 ¹⁰⁾
XBO 500 W/H OFR ³⁾	SFa15-10	s30/p30 ¹¹⁾
XBO 1000 W/HS OFR ⁴⁾	SFcX27-8	s20/p20 ¹¹⁾
XBO 1000 W/HSC OFR ⁵⁾	SFcX27-8	s20/p20 ¹¹⁾
XBO 1000 W/HTP OFR ⁶⁾	SFc25-14	s30/p30 ¹¹⁾
XBO 2000 W/SHSC OFR ⁷⁾	SFcX27-8	s20/p20 ¹¹⁾
XBO 2001 W/HS OFR ⁸⁾	SFcX27-8	h90
XBO 2500 W OFR ²⁾	SFaX27-14	s30 ¹⁰⁾
XBO 4000 W/HSA OFR	SFa30-7.9	s20/p20 ¹¹⁾
XBO 8000 W/HS OFR	SFa30-7.9	s15/p15 ¹¹⁾
XBO 10000 W/HS OFR	SFa30-7.9	s15/p15 ¹¹⁾

¹⁾ Also available in ozone-free version: XBO 450 W OFR/Also available in Suprasil quartz version: XBO 450 W/4

²⁾ OFR = Ozone-free version

³⁾ OFR = Ozone-free version/H = Suitable for horizontal burning position

⁴⁾ OFR = Ozone-free version/H = Suitable for horizontal burning position/S = Short

⁵⁾ OFR = Ozone-free version/H = Suitable for horizontal burning position/S = Short/C = Base with cable

⁶⁾ OFR = Ozone-free version/H = Suitable for horizontal burning position/TP = Cable with threaded pins

⁷⁾ 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

⁸⁾ H = Suitable for horizontal burning position/S = Short

⁹⁾ Distance from end of base to tip of electrode (cold)

¹⁰⁾ Anode on top

¹¹⁾ For vertical burning position: anode (+) on top

Product family datasheet

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.