

XBO DTP for digital cinema projection

Xenon short-arc lamps

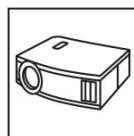
Areas of application

- Cinema projection

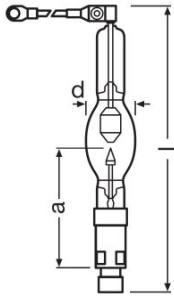


Product family features

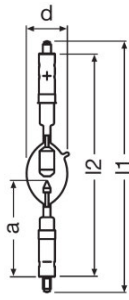
- Short arc with highest luminance for brighter screen illumination
- A lifetime of reliable performances with constant 6000 K color temperature
- Easy to maintain
- High level of arc stability
- Hot restart and instant light on screen
- Dimmable in a wide range



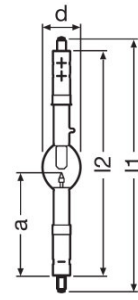
Product family datasheet



Product line drawing



Product line drawing



Product line drawing

Product family datasheet

Technical data

Product description	Electrical data		Dimensions & weight			Temperatures & operating conditions	Lifespan	Additional product data
	Nominal current	Current control range	Length	Length with base excl. base pins/connection	Light center length (LCL)	Max. permitted ambient temp. pinch point	Lifespan	Base anode (standard designation)
XBO 1400 W/DTS OFR	61.0 A	40...70 A	245.0 mm	202.00 mm	100.5 mm ¹⁾	230 °C	3000 h	Cable
XBO 1600 W/DTS OFR	67.0 A	50...80 A	245.0 mm	202.00 mm	100.5 mm ¹⁾	230 °C	3000 h	Cable
XBO 1800 W/DTS OFR	73.0 A	50...83 A	245.0 mm	202.00 mm	100.5 mm ¹⁾	230 °C	1750 h	Cable
XBO 2000 W/DTS OFR	81.0 A	60...90 A	245.0 mm	202.00 mm	100.5 mm ¹⁾	230 °C	1100 h	Cable
XBO 2100 W/DTS OFR	80.0 A	60...85 A	265.0 mm	222.00 mm	120.5 mm ¹⁾	230 °C	1000 h	Cable
XBO 2300 W/DTS OFR	85.0 A	60...90 A	245.0 mm	202.00 mm	100.5 mm ¹⁾	230 °C	1000 h	Cable
XBO 2000 W/DTP OFR	87.0 A	64...95 A	405.0 mm	354.00 mm	160.0 mm ¹⁾	230 °C	2400 h	SFa27-14
XBO 2000 W/DTP L OFR	87.0 A	64...95 A	403.0 mm	354.00 mm	160.0 mm ¹⁾	230 °C	3300 h	SFa27-14
XBO 3000 W/DTS OFR	105 A	77...113 A	335.0 mm	285.00 mm	125.0 mm ¹⁾	230 °C	1200 h	SFa27-14
XBO 3000 W/DTP OFR	101 A	74...109 A	405.0 mm	354.00 mm	160.0 mm ¹⁾	230 °C	1500 h	SFa27-14
XBO 3000 W/DTP L OFR	101 A	74...109 A	405.0 mm	354.00 mm	160.0 mm ¹⁾	230 °C	1900 h	SFa27-14
XBO 4500 W/DTP OFR	150 A	108...155 A	433.0 mm	383.00 mm	165.0 mm ¹⁾	230 °C	1000 h	SFcX27-14
XBO 4500 W/DTP L OFR	150 A	108...155 A	434.0 mm	383.00 mm	165.0 mm ¹⁾	230 °C	1300 h	SFa27-14
XBO 6000 W/DTP OFR	170 A	140...175 A	434.0 mm	383.00 mm	165.0 mm ¹⁾	230 °C	600 h	SFa27-14

Product family datasheet

Product description	Electrical data		Dimensions & weight			Temperatures & operating conditions	Lifespan	Additional product data
	Nominal current	Current control range	Length	Length with base excl. base pins/connection	Light center length (LCL)	Max. permitted ambient temp. pinch point	Lifespan	Base anode (standard designation)
XBO 6000 W/DTP L OFR	170 A	140...175 A	434.0 mm	383.00 mm	165.0 mm ¹⁾	230 °C	800 h	SFa27-14

Product description	Base cathode (standard designation)	Capabilities
		Burning position
XBO 1400 W/DTS OFR	SFc30-20	Other ²⁾
XBO 1600 W/DTS OFR	SFc30-20	Other ²⁾
XBO 1800 W/DTS OFR	SFc30-20	Other ²⁾
XBO 2000 W/DTS OFR	SFc30-20	Other ²⁾
XBO 2100 W/DTS OFR	SFc30-20	Other ²⁾
XBO 2300 W/DTS OFR	SFc30-20	Other ²⁾
XBO 2000 W/DTP OFR	SFc27-14	Other ²⁾
XBO 2000 W/DTP L OFR	SFc27-14	Other ²⁾
XBO 3000 W/DTS OFR	SFc27-14	Other ²⁾
XBO 3000 W/DTP OFR	SFc27-14	Other ²⁾
XBO 3000 W/DTP L OFR	SFc27-14	Other ²⁾
XBO 4500 W/DTP OFR	SFa27-14	Other ²⁾
XBO 4500 W/DTP L OFR	SFc27-14	Other ²⁾
XBO 6000 W/DTP OFR	SFc27-14	Other ²⁾
XBO 6000 W/DTP L OFR	SFc27-14	Other ²⁾

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.