

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

Technical data

Product description	Electrical data		Dimensions & weight			
	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⁾

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

Product family datasheet

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

Product description	Lifespan		Additional product data	
	Lifespan	Service Warranty Lifetime	Base anode (standard designation)	Base cathode (standard designation)
XBO 1400 W/DTS OFR	3000 h	3500 h	Cable	SFc30-20
XBO 1600 W/DTS OFR	3000 h	3500 h	Cable	SFc30-20
XBO 1800 W/DTS OFR	1750 h	2100 h	Cable	SFc30-20
XBO 2000 W/DTS OFR	1100 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	1000 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

Product description	Capabilities	
	Cooling	Burning position
XBO 1400 W/DTS OFR	Forced	s15/p15 ²⁾
XBO 1600 W/DTS OFR	Forced	s15/p15 ²⁾
XBO 1800 W/DTS OFR	Forced	s15/p15 ²⁾
XBO 2000 W/DTS OFR	Forced	s15/p15 ²⁾
XBO 2000 W/DTP L OFR	Forced	s15/p15 ²⁾
XBO 2100 W/DTS OFR	Forced	s15/p15 ²⁾
XBO 2300 W/DTS OFR	Forced	s15/p15 ²⁾
XBO 3000 W/DTS OFR	Forced	s15/p15 ²⁾
XBO 3000 W/DTP OFR	Forced	s15/p15 ²⁾
XBO 3000 W/DTP L OFR	Forced	s15/p15 ²⁾
XBO 4500 W/DTP OFR	Forced	s15/p15 ²⁾

Product family datasheet

Product description	Capabilities	
	Cooling	Burning position
XBO 4500 W/DTP L OFR	Forced	s15/p15 ²⁾
XBO 6000 W/DTP OFR	Forced	s15/p15 ²⁾
XBO 6000 W/DTP L OFR	Forced	s15/p15 ²⁾
XBO 6000 W/DTP XL OFR	Forced	s15/p15 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.