

XBO DHP for digital cinema projection

Xenon short-arc lamps



Product family benefits

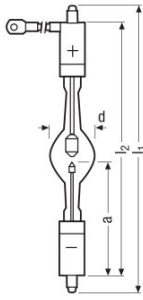
- Short arc with very high luminance for brighter screen illumination
- Constant color temperature of 6,000 K throughout the entire lamp lifetime
- Easy to maintain
- High arc stability
- Instant light on screen thanks to hot restart function
- Wide dimming range

Product family features

- Wattage: 1,200...8,000 W



Product family datasheet



Product line drawing

Product family datasheet

Technical data

Product description	Electrical data		Dimensions & weight			Temperatures & operating conditions	Lifespan	
	Nominal current	Current control range	Length	Length with base excl. base pins/connection	Light center length (LCL)	Max. permitted ambient temp. pinch point	Lifespan	Service Warranty Lifetime
XBO 1200 W/DHP OFR	57.0 A	41...63 A	345.0 mm	295.00 mm	123.0 mm ¹⁾	230 °C	3000 h	3800 h
XBO 1600 W/DHP OFR	78.0 A	57...86 A	345.0 mm	295.00 mm	123.0 mm ¹⁾	230 °C	3000 h	3800 h
XBO 2000 W/DHP OFR	87.0 A	64...95 A	345.0 mm	295.00 mm	123.0 mm ¹⁾	230 °C	2400 h	3000 h
XBO 2000 W/DHP L OFR	87.0 A	64...95 A	345.0 mm	295.00 mm	123.0 mm ¹⁾	230 °C	3300 h	3500 h
XBO 2200 W/DHP OFR	90.0 A	68...95 A	345.0 mm	295.00 mm	123.0 mm ¹⁾	230 °C	1500 h	2000 h
XBO 2500 W/DHP OFR	88.0 A	63...95 A	345.0 mm	295.00 mm	123.0 mm ¹⁾	230 °C	1700 h	2000 h
XBO 3000 W/DHS OFR	105 A	77...113 A	342.0 mm	302.00 mm	145.0 mm ¹⁾	230 °C	1500 h	2000 h
XBO 3000 W/DHP OFR	105 A	77...113 A	345.0 mm	295.00 mm	123.0 mm ¹⁾	230 °C	1500 h	1900 h
XBO 3000 W/DHP L OFR	103 A	76...111 A	345.0 mm	295.00 mm	123.0 mm ¹⁾	230 °C	1900 h	2100 h
XBO 4000 W/DHP L OFR	128 A	95...137 A	345.0 mm	295.00 mm	123.0 mm ¹⁾	230 °C	1300 h	1500 h
XBO 4000 W/DHP OFR	120 A	91...130 A	345.0 mm	295.00 mm	123.0 mm ¹⁾	230 °C	1100 h	1400 h
XBO 4500 W/DHP OFR	150 A	108...155 A	436.0 mm	393.00 mm	170.5 mm ¹⁾	230 °C	1000 h	1300 h
XBO 4500 W/DHP L OFR	150 A	108...155 A	436.0 mm	393.00 mm	170.5 mm ¹⁾	230 °C	1300 h	1500 h
XBO 6000 W/DHP OFR	165 A	131...174 A	436.0 mm	393.00 mm	170.5 mm ¹⁾	230 °C	650 h	800 h

Product family datasheet

Product description	Electrical data		Dimensions & weight			Temperatures & operating conditions	Lifespan	
	Nominal current	Current control range	Length	Length with base excl. base pins/connection	Light center length (LCL)	Max. permitted ambient temp. pinch point	Lifespan	Service Warranty Lifetime
XBO 6000 W/DHP L OFR	165 A	131...174 A	436.0 mm	393.00 mm	170.5 mm ¹⁾	230 °C	800 h	1000 h
XBO 6500 W/DHP OFR	165 A	133...173 A	436.0 mm	393.00 mm	170.5 mm ¹⁾	230 °C	500 h	750 h
XBO 6500 W/DHP L OFR	165 A	133...173 A	436.0 mm	393.00 mm	170.5 mm ¹⁾	230 °C	700 h	800 h
XBO 6500 W/DHP XL OFR	165 A	133...173 A	436.0 mm	393.00 mm	170.5 mm ¹⁾	230 °C	800 h	900 h
XBO 7000W/DHP OFR	170 A	130...175 A	436.0 mm	393.00 mm	170.5 mm ¹⁾	230 °C	400 h	500 h

Product description	Additional product data	Capabilities	
	Base anode (standard designation)	Cooling	Burning position
XBO 1200 W/DHP OFR	SFaX30-14	Forced	s15/p15 ²⁾
XBO 1600 W/DHP OFR	SFaX30-14	Forced	s15/p15 ²⁾
XBO 2000 W/DHP OFR	SFaX30-14	Forced	s15/p15 ²⁾
XBO 2000 W/DHP L OFR	SFaX30-14	Forced	s15/p15 ²⁾
XBO 2200 W/DHP OFR	SFaX27-14x80	Forced	s15/p15 ²⁾
XBO 2500 W/DHP OFR	SFaX27-14x80	Forced	s15/p15 ²⁾
XBO 3000 W/DHS OFR	SFaX27-9.5	Forced	s15/p15 ²⁾
XBO 3000 W/DHP OFR	SFaX27-14x80	Forced	s15/p15 ²⁾
XBO 3000 W/DHP L OFR	SFaX27-14x80	Forced	s15/p15 ²⁾
XBO 4000 W/DHP L OFR	SFaX27-14x80	Forced	s15/p15 ²⁾
XBO 4000 W/DHP OFR	SFaX27-14x80	Forced	s15/p15 ²⁾
XBO 4500 W/DHP OFR	SFaX30-9.5	Forced	s15/p15 ²⁾

Product family datasheet

Product description	Additional product data	Capabilities	
	Base anode (standard designation)	Cooling	Burning position
XBO 4500 W/DHP L OFR	SFaX30-9.5	Forced	s15/p15 ²⁾
XBO 6000 W/DHP OFR	SFaX30-9.5	Forced	s15/p15 ²⁾
XBO 6000 W/DHP L OFR	SFaX30-9.5	Forced	s15/p15 ²⁾
XBO 6500 W/DHP OFR	SFaX30-9.5	Forced	s15/p15 ²⁾
XBO 6500 W/DHP L OFR	SFaX30-9.5	Forced	s15/p15 ²⁾
XBO 6500 W/DHP XL OFR	SFaX30-9.5	Forced	s15/p15 ²⁾
XBO 7000W/DHP OFR	SFaX30-9.5	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

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.