XBO

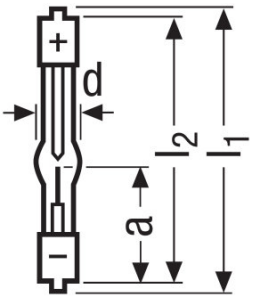
Xenon short-arc lamps without reflector

Product family benefits

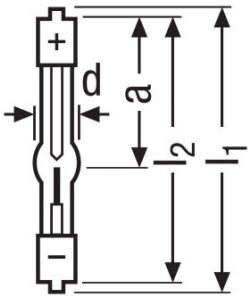
- Very high luminance (point light source)
- Continual color quality, irrespective of lamp type and lamp wattage
- Constant light color throughout the life of the lamp
- Long lamp life

Product family features

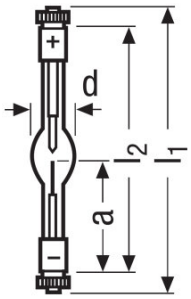
- Color temperature: approx. 6,000 K (Daylight)
- High color rendering index: R_a >
- Continuous spectrum in the visible range
- High arc stability
- Hot restart capability
- Dimmable
- Instant light on starting



Product line drawing



Product line drawing



Product line drawing

Technical data

	Electrical data			Photometrical data	Dimensions & weight	Lifespan	Additional product data	
Product description	**Lamp wattage**	**Lamp current**	**Type of current**	**Luminance**	**Length**	**Lifespan**	**Base anode (standard designation)**	**Base cathode (standard designation)**
XBO 75 W/2	64 W	4.9…5.9 A	DC	40000 cd/cm² [3]	90.0 mm	400 h	SFa9-2	SFa7.5-2
XBO 75 W/2 OFR [1]	64 W	4.9…5.9 A	DC	40000 cd/cm² [3]	90.0 mm	400 h	SFa9-2	SFa7.5-2
XBO 100 W OFR [1]	85 W	7.0…7.4 A	DC	31000 cd/cm² [3]	90.0 mm	500 h	SFa9-2	SFa7.5-2
XBO 150 W/CR OFR [1]	125 W	8.5 A	DC	20000 cd/cm² [3]	150.0 mm	3000 / 1200 h [5]	SFc12-4	SFcX12-4
XBO 150 W/1	130 W	7.5 A	DC	15000 cd/cm² [3]	150.0 mm	1200 h	SFc12-4	SFcX12-4
XBO 150 W/4 [2]	130 W	7.5 A	DC	15000 cd/cm² [3]	150.0 mm	1200 h	SFc12-4	SFcX12-4

	Capabilities	
Product description	**Cooling**	**Burning position**
XBO 75 W/2	Convection	s100 [4]
XBO 75 W/2 OFR [1]	Convection	s100 [4]
XBO 100 W OFR [1]	Convection	s100 [4]
XBO 150 W/CR OFR [1]	Forced	s15 [6]
XBO 150 W/1	Forced	s15 [7]
XBO 150 W/4 [2]	Forced	s15 [7]

[1] OFR = Ozone-free version

[2] Lamp uses a special quality of quartz glass, known as SUPRASIL, which – in comparison to conventional quartz – provides higher transmission below 250 nm

[3] Typical initial photometric value

[4] If vertical, then anode on top; up to 10° below horizontal, cathode on top

[5] In vertical burning position

[6] For vertical burning position: anode (+) on top

[7] Anode (+) on top

Safety advice

Because of their high luminance, UV radiation and high internal pressure in both the hot and cold state, XBO lamps must only be operated in appropriate enclosed casings. Always use the protective jackets supplied when handling these lamps. They may only be used as open lamps if appropriate safety measures are taken. More information is available on request or can be found in the leaflet included with the lamp or the operating instructions.

Application advice

For more detailed application information and graphics please see product datasheet.

References / Links

Further technical information on XBO lamps and information for manufacturers of operating equipment can be requested directly from OSRAM.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.