

XBO Xenon short-arc lamps without reflector

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





330835_XBO XENON SHORT ARC LAMPS



330836_XBO XENON SHORT ARC LAMPS



330837_XBO XENON SHORT ARC LAMPS

Product family datasheet

Technical data

Product description	Electrical data			Photometrical data	Dimensions & weight	Lifespan
	Lamp wattage	Lamp current	Type of current	Luminance	Length	Lifespan
XBO 75 W/2	64 W	49...59 A	DC	40000 cd/cm ^{2 3)}	900 mm	400 h
XBO 75 W/2 OFR ¹⁾	64 W	49...59 A	DC	40000 cd/cm ^{2 3)}	900 mm	400 h
XBO 100 W OFR ¹⁾	85 W	70...74 A	DC	31000 cd/cm ^{2 3)}	900 mm	500 h
XBO 150 W/CR OFR ¹⁾	125 W	85 A	DC	20000 cd/cm ^{2 3)}	1500 mm	3000 / 1200 h ⁵⁾
XBO 150 W/1	130 W	75 A	DC	15000 cd/cm ^{2 3)}	1500 mm	1200 h
XBO 150 W/1 OFR ¹⁾	130 W	75 A	DC	15000 cd/cm ^{2 3)}	1500 mm	1200 h
XBO 150 W/4 ²⁾	130 W	75 A	DC	15000 cd/cm ^{2 3)}	1500 mm	1200 h

Product description	Additional product data		Capabilities	
	Base anode (standard designation)	Base cathode (standard designation)	Cooling	Burning position
XBO 75 W/2	SFa9-2	SFa7.5-2	Convection	s100 ⁴⁾
XBO 75 W/2 OFR ¹⁾	SFa9-2	SFa7.5-2	Convection	s100 ⁴⁾
XBO 100 W OFR ¹⁾	SFa9-2	SFa7.5-2	Convection	s100 ⁴⁾
XBO 150 W/CR OFR ¹⁾	SFc12-4	SFcX12-4	Forced	s15 ⁶⁾
XBO 150 W/1	SFc12-4	SFcX12-4	Forced	s15 ⁷⁾
XBO 150 W/1 OFR ¹⁾	SFc12-4	SFcX12-4	Forced	s15 ⁷⁾
XBO 150 W/4 ²⁾	SFc12-4	SFcX12-4	Forced	s15 ⁷⁾

Product description	Environmental information			
	Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)			
Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1
XBO 75 W/2	05-03-2024	4050300508801	Lead	7439-92-1
XBO 75 W/2 OFR ¹⁾	05-03-2024	4050300508825	Lead	7439-92-1
XBO 100 W OFR ¹⁾	05-03-2024	4008321386328	Lead	7439-92-1
XBO 150 W/CR OFR ¹⁾	05-03-2024	4050300508788	Lead	7439-92-1
XBO 150 W/1	05-03-2024	4050300508344	Lead	7439-92-1
XBO 150 W/1 OFR ¹⁾	05-03-2024	4050300508368		
XBO 150 W/4 ²⁾	05-03-2024	4050300508382	Lead	7439-92-1

Product description	Safe Use Instruction	Declaration No. in SCIP database
XBO 75 W/2	The identification of the Candidate List substance is sufficient to allow safe use of the article.	4ac7a63a-e5e9-4801-860e-a51fd4360dc8

Product family datasheet

Product description	Safe Use Instruction	Declaration No. in SCIP database
XBO 75 W/2 OFR ¹⁾	The identification of the Candidate List substance is sufficient to allow safe use of the article.	536f5044-6629-4551-b556-81347c0c9dfe
XBO 100 W OFR ¹⁾	The identification of the Candidate List substance is sufficient to allow safe use of the article.	ac5c5363-ba12-4018-9516-c8896069720e
XBO 150 W/CR OFR ¹⁾	The identification of the Candidate List substance is sufficient to allow safe use of the article.	f2c3d120-bbcb-487e-b775-f616dd801eac
XBO 150 W/1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	75ef93b8-ccc0-42e0-b2d3-612d7c703382
XBO 150 W/1 OFR ¹⁾		In work
XBO 150 W/4 ²⁾	The identification of the Candidate List substance is sufficient to allow safe use of the article.	233c237a-3183-44a5-b9da-6dd186a65e22

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

Product family datasheet

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.