XBO Xenon short-arc lamps with reflector 75...300 W

Xenon short-arc lamps with reflector 75...300 W



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

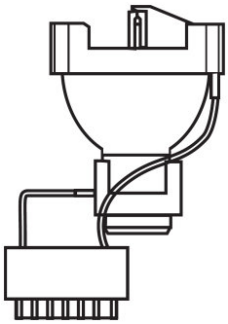
- Color temperature: approx. 6,000 K (Daylight)
- High color rendering index: R_a >
- High arc stability
- Hot restart capability
- Dimmable
- Instant light on starting
- Continuous spectrum in the visible range



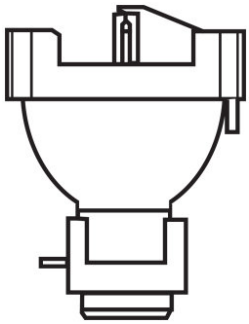




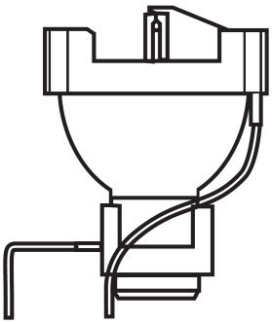
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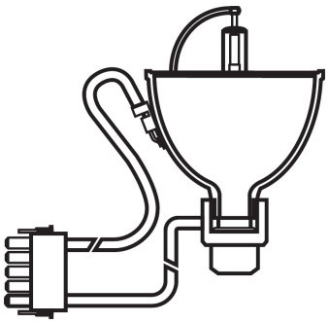
330827_XBO XENON SHORT ARC LAMPS



330828_XBO XENON SHORT ARC LAMPS



330829_XBO XENON SHORT ARC LAMPS



330826_XBO XENON SHORT ARC LAMPS

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Technical data

	Electrical data						Light technical data
Product description	**Nominal wattage**	**Lamp voltage**	**Lamp current**	**Type of current**	**Lamp wattage**	**Rated wattage**	**Focal length**
XBO R 100 W/45 C [1]	100.00 W	12...14 V [2]	7.0...7.4 A	DC	85 W	100.00 W	45.0 mm
XBO R 100 W/45 OFR [1]	100.00 W	12...14 V [2]	7.0...7.4 A	DC	85 W	100.00 W	45.0 mm
XBO R 101 W/45 C OFR [1]	100.00 W	12...14 V [2]	7.0...7.4 A	DC	85 W	100.00 W	45.0 mm
XBO R 180 W/45 [1]	180.00 W	12.8...14.8 V [2]	11.75...12.25 A	DC	150 W	180.00 W	45.0 mm
XBO R 180 W/45 C OFR [1]	180.00 W	12.8...14.8 V [2]	11.75...12.25 A	DC	150 W	180.00 W	45.0 mm
XBO R 181 W/45 C [1]	180.00 W	12.8...14.8 V [2]	11.75...12.25 A	DC	150 W	180.00 W	45.0 mm
XBO R 300 W/60 C OFR [1]	300.00 W	16...20 V [2]	18.0 A	DC	250 W	300.00 W	60.0 mm

	Dimensions & weight	Lifespan	Capabilities		Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)
Product description	**Mounting length**	**Lifespan**	**Cooling**	**Burning position**	**Date of Declaration**
XBO R 100 W/45 C [1]	77.0 mm	500 h	Forced	p20	05-03-2024
XBO R 100 W/45 OFR [1]	77.0 mm	500 h	Forced	p20	05-03-2024
XBO R 101 W/45 C OFR [1]	77.0 mm	500 h	Forced	p20	05-03-2024
XBO R 180 W/45 [1]	81.5 mm	500 h	Forced	p20	05-03-2024
XBO R 180 W/45 C OFR [1]	81.5 mm	500 h	Forced	p20	05-03-2024
XBO R 181 W/45 C [1]	81.5 mm	500 h	Forced	p20	05-03-2024
XBO R 300 W/60 C OFR [1]	80.0 mm	1000 h	Forced	p20	05-03-2024

Product description	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction
XBO R 100 W/45 C [1]	4050300367767	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO R 100 W/45 OFR [1]	4050300317205	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

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Product description	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction
XBO R 101 W/45 C OFR [1)]	4050300388458	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO R 180 W/45 [1)]	4050300432175	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO R 180 W/45 C OFR [1)]	4052899315198	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO R 181 W/45 C [1)]	4050300450872	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
XBO R 300 W/60 C OFR [1)]	4008321137722 | 4008321966179	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

Product description	Declaration No. in SCIP database
XBO R 100 W/45 C [1)]	73407a33-6ed3-4b8a-9bb2-de48a2df4448
XBO R 100 W/45 OFR [1)]	0ff25872-96e7-47f8-91ee-ef959f627d3e
XBO R 101 W/45 C OFR [1)]	e007ecc9-b293-4f70-a7be-56b8121cf256
XBO R 180 W/45 [1)]	7a27a89e-c594-4d6f-8bcf-6110af0cbf1a
XBO R 180 W/45 C OFR [1)]	1f887543-d77b-48a7-a330-3ecca5ce8820
XBO R 181 W/45 C [1)]	0fdd7105-1036-4453-8fb0-781248736f2a
XBO R 300 W/60 C OFR [1)]	f7e5b4d9-fc63-4525-a79e-eedfbf53f794

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[1] OFR = Ozone-free version

[2] Initial voltage range

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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.
The xenon lamp element is always under very high pressure. It may explode if subject to impact or damage. Therefore, spent XBO reflector lamps should be stored in an inaccessible place in the supplied casing or under the protection cap until they are sent for disposal.

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.

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