

XBO

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



Product benefits

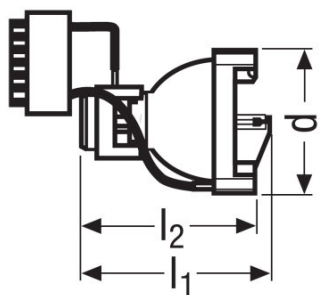
- Very high luminance (point light source)
- Continual color quality, irrespective of lamp type and lamp wattage
- Constant light color throughout the life of the lamp
- Long lamp life

Product features

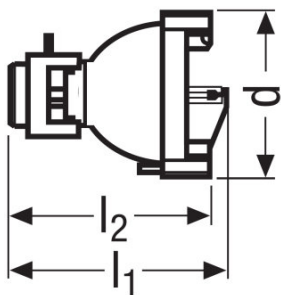
- Color temperature: approx. 6,000 K (Daylight)
- High color rendering index: $R_a >$
- High arc stability
- Hot restart capability
- Dimmable
- Instant light on starting
- Continuous spectrum in the visible range



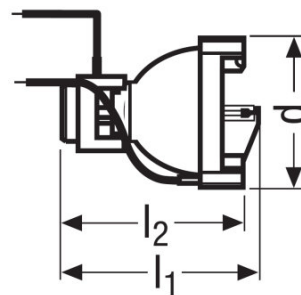
Product family datasheet



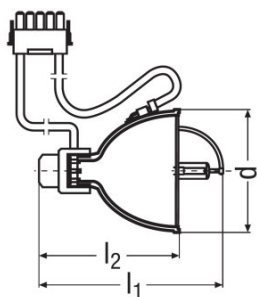
Product line drawing



Product line drawing



Product line drawing



Product line drawing

Product family datasheet

Technical data

Product description	Electrical data							Light technical data	Dimensions & weight		
	Lamp wattage	Lamp voltage	Lamp current	Type of current	Nominal voltage	Rated wattage	Nominal wattage		Focal length	Mounting length	Product weight
XBO R 100 W/45 C ¹⁾	85 W	12...14 V ²⁾	7.0...7.4 A	DC	13 V	100.00 W	100.00 W	45.0 mm	77.0 mm	82.50 g	9999.9 mm
XBO R 100 W/45 OFR ¹⁾	85 W	12...14 V ²⁾	7.0...7.4 A	DC		100.00 W	100.00 W	45.0 mm	77.0 mm	110.00 g	
XBO R 101 W/45 C OFR ¹⁾	85 W	12...14 V ²⁾	7.0...7.4 A	DC	13 V	100.00 W	100.00 W	45.0 mm	77.0 mm	120.00 g	9999.9 mm
XBO R 180 W/45 ¹⁾	150 W	12.8...14.8 V ²⁾	11.75...12.25 A	DC	13.8 V	180.00 W	180.00 W	45.0 mm	81.5 mm	120.00 g	
XBO R 180 W/45 C OFR ¹⁾	150 W	12.8...14.8 V ²⁾	11.75...12.25 A	DC		180.00 W	180.00 W	45.0 mm	81.5 mm	120.00 g	9999.9 mm
XBO R 181 W/45 C ¹⁾	150 W	12.8...14.8 V ²⁾	11.75...12.25 A	DC	13.8 V	180.00 W	180.00 W	45.0 mm	81.5 mm	137.00 g	9999.9 mm
XBO R 300 W/60 C OFR ¹⁾	250 W	16...20 V ²⁾	18.0 A	DC	16.0 V	300.00 W	300.00 W	60.0 mm	80.0 mm	155.00 g	150.0 mm

Product description	Diameter	Lifespan	Additional product data		Capabilities	
		Lifespan	Base anode (standard designation)	Base cathode (standard designation)	Cooling	Burning position
XBO R 100 W/45 C ¹⁾	64.0 mm	500 h	Cable	Cable	Forced	p20
XBO R 100 W/45 OFR ¹⁾	64.0 mm	500 h	Pin	Pin	Forced	p20
XBO R 101 W/45 C OFR ¹⁾	64.0 mm	500 h	Cable	Cable	Forced	p20
XBO R 180 W/45 ¹⁾	64.0 mm	500 h	Pin	Pin	Forced	p20
XBO R 180 W/45 C OFR ¹⁾	64.0 mm	500 h	Cable	Cable	Forced	p20
XBO R 181 W/45 C ¹⁾	64.0 mm	500 h	Cable	Cable	Forced	p20
XBO R 300 W/60 C OFR ¹⁾	82.0 mm	1000 h	Cable	Cable	Forced	p20

¹⁾ OFR = Ozone-free version

²⁾ Initial voltage range

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.

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.
