XBO R 100 W/45 OFR

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







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Technical data

Electrical data

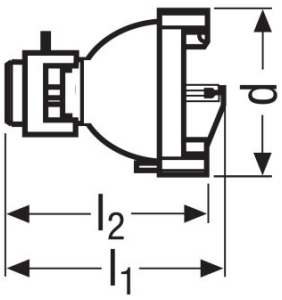
Lamp wattage	85 W
Lamp voltage	12...14 V [1)]
Lamp current	7.0...7.4 A
Type of current	DC
Rated wattage	100.00 W
Nominal wattage	100.00 W
Nominal current	7.2 A

1) Initial voltage range

Light technical data

Focal length	45.0 mm

Dimensions & weight



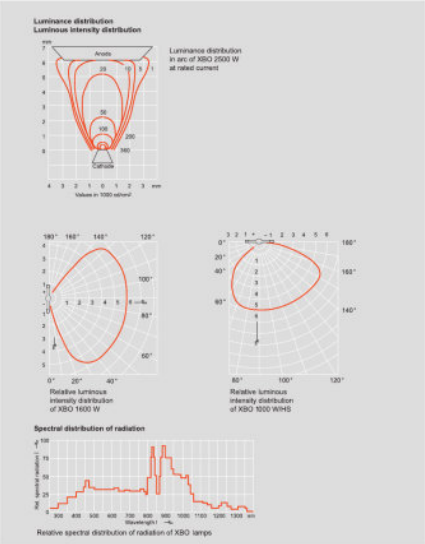
Mounting length	77.0 mm
Product weight	110.00 g
Diameter	64.0 mm

Lifespan

Lifespan	500 h

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Additional product data



Luminous intensity distribution

Base anode (standard designation)	Pin
Base cathode (standard designation)	Pin
Product remark	OFR = Ozone-free version

Capabilities

Cooling	Forced
Burning position	p20

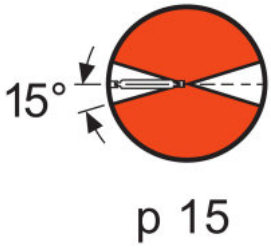
Country specific information

Product code	METEL code	SEG-No.	STK-Number	UK Org
4050300317205	OSRXBOR10045OFR	-	-	-

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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.



Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321989239	XBO R 100 W/45 OFR	Shipping carton box 20	445 mm x 385 mm x 120 mm	20.56 dm^3	3097.00 g
4050300317205	XBO R 100 W/45 OFR	Folding carton box 1	103 mm x 87 mm x 87 mm	0.78 dm^3	148.00 g
4050300324777	XBO R 100 W/45 OFR	Shipping carton box 2	186 mm x 123 mm x 115 mm	2.63 dm^3	342.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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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