

XBO R 100 W/45 C

XBO R $\leq 450\text{W}$ with Reflector | Intense point source with precision pre-aligned reflector that provides a broad, continuous spectrum and has near perfect color rendering in the visible range



Areas of application

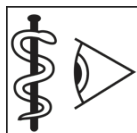
- Endoscopy
- Microscopy
- Surgical Headlamps
- Fiber Illumination
- Solar Simulation
- Imaging & Scanning

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

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



Technical data

General Product Information

Global order reference	XBO R 100W/45C
Product number (Americas)	69191
Product name (Americas)	XBO R 100W/45C OFR 2/CS 1/SKU
Family brand	XBO
Product remark	OFR = Ozone-free version

Electrical Data

Nominal wattage	100 W
Nominal voltage	13 V
Lamp voltage	12...14 V ¹⁾
Nominal current	7.2 A
Lamp current	7.0...7.4 A
Type of current	DC

¹⁾ Initial voltage range

Photometric Data

Nominal luminous flux	530 lm
Color temperature	6000 K
Color rendering index Ra	98
Focal length	45.0 mm

Physical Attributes & Dimensions

Lamp base	FaXP2.5-2x65
Diameter (in)	2.520 in
Diameter	64.0 mm
Length	93.0 mm
Connector: presence	Yes
Product weight	82.50 g

Operating Conditions

Burning position	p20
Cooling	Forced

Lifetime Data

Average life - horizontal	500 hr
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Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Primary article identifier	4050300367767
Date of declaration	16-08-2024
Declaration no. in SCIP database	73407a33-6ed3-4b8a-9bb2-de48a2df4448
Candidate list substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe use instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.

Country specific information

Product code	METEL code	SEG-No.	STK-Number	UK Org
4050300367767	OSRXBOR10045COFR	-	-	-

Product 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.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300367767	XBO R 100 W/45 C		- x - x -		
4050300367774	XBO R 100 W/45 C	Shipping carton box 2	186 mm x 96 mm x 115 mm	2.05 dm ³	291.00 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.

Disclaimer

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