Product datasheet

XBO R 180 W/45 C OFR

XBO R ≤ 450W with Reflector



Areas of application

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

Product features and benefits

- High luminance / radiance with intense point source
- Color temperature approximately 6000 K (daylight) consistent through the life of the lamp
- High color rendering index: R_a >
- High arc stability
- DC operation
- Hot restart capability
- Dimmable over a wide range
- Long lamp life





© 2026, OSRAM GmbH. All rights reserved.

Technical data

General Product Information

Product number (Americas)	69183
Product name (Americas)	XBO R 180W/45C OFR 2/CS 1/SKU
Product remark	OFR = Ozone-free version
Global order reference	XBO R 180 W/45 C OFR

Electrical Data

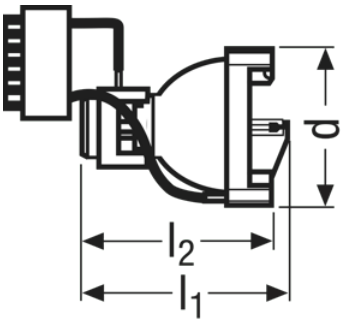
Nominal wattage	180 W
Nominal voltage	13.8 V
Lamp voltage	12.8...14.8 V [1)]
Nominal current	12 A
Lamp current	11.75...12.25 A
Type of current	DC

[1)] Initial voltage range

Photometric Data

Nominal luminous flux	800 lm
Color temperature	6000 K
Color rendering index Ra	›90
Focal length	45.0 mm

Physical Attributes & Dimensions



Lamp base	FaXP2.5-2x65
Diameter (in)	2.520 in
Diameter	64.0 mm
Length	90.0 mm
Connector: presence	Yes

© 2026, OSRAM GmbH. All rights reserved.

Product weight	120.00 g

Operating Conditions

Burning position	p20
Cooling	Forced

Lifetime Data

Average life - horizontal	500 hr

Additional product data

Product remark	OFR = Ozone-free version

Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Primary article identifier	4052899315198
Declaration no. in SCIP database	1f887543-d77b-48a7-a330-3ecca5ce8820
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.

© 2026, OSRAM GmbH. All rights reserved.

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
4052899315198	XBO R 180 W/45 C OFR	Folding carton box 1	87 mm x 87 mm x 110 mm	0.83 dm^3	160.00 g
4052899315204	XBO R 180 W/45 C OFR	Shipping carton box 2	186 mm x 96 mm x 122 mm	2.18 dm^3	373.00 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.

© 2026, OSRAM GmbH. All rights reserved.