

XBO 100 W OFR

XBO \leq 450W Double End | Intense point source that provides a broad, continuous spectrum and has near perfect color rendering in the visible range



Areas of application

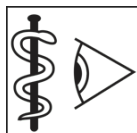
- Endoscopy
- Microscopy
- Surgical Headlamps
- Fiber Illumination
- Solar Simulation
- Imaging & Scanning

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
- Long lamp life

Product family features

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



Product datasheet

Technical data

General Product Information

Global order reference	XBO 100W OFR
Product number (Americas)	69233
Product name (Americas)	XBO 100W OFR 14V 10/CS 1/SKU
Family brand	XBO
Lamp type	DOUBLE ENDED
Product remark	OFR = Ozone-free version

Electrical Data

Nominal wattage	100 W
Lamp voltage	12.8...14.4 V ¹⁾
Lamp current	7.0...7.4 A
Type of current	DC

¹⁾ Initial voltage range

Photometric Data

Nominal luminous flux	1900 lm
Luminous intensity	270 cd ¹⁾
Color temperature	6000 K
Color rendering index Ra	98
Light center length (LCL)	44.5 mm

¹⁾ Typical initial photometric value

Physical Attributes & Dimensions

Electrode gap (cold)	0.9 mm
Base (anode)	SFa9-2
Base (cathode)	SFa7.5-2
Diameter (in)	39.331 in
Diameter	11.0 mm
Length	90.0 mm
Product weight	12.00 g

Operating Conditions

Burning position	≤100° ¹⁾
Cooling	Convection

¹⁾ If vertical, then anode on top; up to 10° below horizontal, cathode on top

Lifetime Data

Product datasheet

Average life - vertical	500 hr
Average life - horizontal	500 hr

Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Primary article identifier	4008321386328
Date of declaration	16-08-2024
Declaration no. in SCIP database	ac5c5363-ba12-4018-9516-c8896069720e
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 number	STK-Number	UK Org
4008321386328	OSRXBO100OFR	8333500	-	-

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
4008321386328	XBO 100 W OFR		165 mm x 95 mm x 48 mm	0.75 dm ³	92.00 g
4008321386335	XBO 100 W OFR	Shipping carton box 10	235 mm x 225 mm x 210 mm	11.10 dm ³	1148.00 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.