

XBO 100 W OFR

XBO \leq 450 W 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 features and benefits

- High luminance / radiance with intense point source
- Broad, continuous spectral distribution
- High color rendering > 95
- High arc stability
- DC operation
- Hot restart capability
- Dimmable over a wide range
- Long lamp life



Technical data

General Product Information

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
Global order reference	XBO 100 W OFR

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

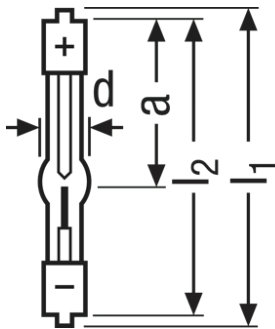
¹⁾ Initial voltage range

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

Product datasheet

Diameter (in)	39.331 in
Diameter	11.0 mm
Length	90.0 mm
Product weight	12.00 g

Operating Conditions

Burning position	s100 ¹⁾
Cooling	Convection

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

Lifetime Data

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
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	Folding carton box 1	224 mm x 95 mm x 60 mm	1.28 dm ³	98.00 g
4008321386335	XBO 100 W OFR	Shipping carton box 10	306 mm x 235 mm x 200 mm	14.38 dm ³	1365.00 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.