

XBO 150 W/CR 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 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 150 W/CR OFR
Product number (Americas)	69237
Product name (Americas)	XBO 150W/CR OFR 10/CS 1/SKU
Family brand	XBO
Lamp type	DOUBLE ENDED
Product remark	OFR = Ozone-free version

Electrical Data

Nominal wattage	150 W
Lamp voltage	15...18 V ¹⁾
Lamp current	8.5 A
Type of current	DC

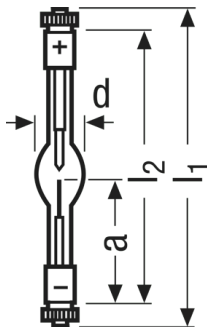
¹⁾ Initial voltage range

Photometric Data

Nominal luminous flux	2900 lm
Luminous intensity	290 cd ¹⁾
Color temperature	6000 K
Color rendering index Ra	98
Light center length (LCL)	57.0 mm

¹⁾ Typical initial photometric value

Physical Attributes & Dimensions



Electrode gap (cold)	2.0 mm
Base (anode)	SFc12-4
Base (cathode)	SFcX12-4

Product datasheet

Diameter (in)	39.331 in
Diameter	20.0 mm
Length	150.0 mm
Product weight	100.00 g

Operating Conditions

Burning position	s15 ¹⁾
Cooling	Forced

¹⁾ For vertical burning position: anode (+) on top

Lifetime Data

Nominal lifetime	2000 hr
Average life - vertical	3000 hr
Average life - horizontal	1200 hr

Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Primary article identifier	4050300508788
Date of declaration	14-10-2024
Declaration no. in SCIP database	f2c3d120-bbcb-487e-b775-f616dd801eac
Candidate list substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe use instruction	Die Bezeichnung des Stoffes der Kandidatenliste reicht aus für den sicheren Gebrauch des Produktes.

Country specific information

Product code	METEL code	SEG-No.	STK-Number	UK Org
4050300508788	OSRXBO150CROFR	-	-	-

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
4050300508788	XBO 150 W/CR OFR	Folding carton box 1	165 mm x 95 mm x 48 mm	0.75 dm ³	180.00 g
4050300508795	XBO 150 W/CR OFR	Shipping carton box 10	235 mm x 224 mm x 210 mm	11.05 dm ³	2028.00 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.