



Product features and benefits

- High luminance / radiance with intense point source
- Broad, continuous spectral distribution
- High color rendering > 95
- High arc stability
- DC operation

Areas of application

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

Product datasheet

Technical data

General Product Information

Global order reference	XBO R 100W/45 O
Product number (Americas)	69197
Product name (Americas)	XBO R 100W/45 OFR 2/CS 1/SKU
Family brand	XBO
Lamp type	W/REFLECTOR
General description	100 watt, xenon short arc, with reflector
Product remark	OFR = Ozone-free version

Electrical Data

Nominal wattage	100 W
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	SPEZIAL
Diameter (in)	2.520 in
Diameter	64.0 mm
Length	93.0 mm
Product weight	110.00 g

Operating Conditions

Burning position	p20
Cooling	Forced

Lifetime Data

Nominal lifetime	500 hr
Average life - horizontal	500 hr

Product datasheet

Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Primary article identifier	4050300317205
Date of declaration	26-06-2024
Declaration no. in SCIP database	0ff25872-96e7-47f8-91ee-ef959f627d3e
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.

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.

Packaging Information

Product number	EAN/UPC	Packaging	Quantity	Outside dimensions l x w x h	Gross weight
69197	4050300324777			7.3 in x 3.8 in x 4.5 in	0.8 lb

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.