

XBO 450W/1



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

Product Number	69242
Product Name	XBO450W1 18V 1/CS 1/SKU
Ordering Abbreviation	XBO 450W/1
Brand Name	OSRAM
General Description	450 watt, xenon short arc, double-ended used in microscopes
Application	Microscopy
Product Remark	<ul style="list-style-type: none">- s (Operating Position) = Vertical, base down- This lamp has positive pressure even when cold. Please read safety/warning instructions before using this lamp.- Distance a is from end of base to the respective electrode tip (cold).- With vertical operating position: anode(+) on top.

Electrical data

Nominal Wattage	450 W
Current (A)	25 A
Current Control Range (A)	17-30 A
Type of Current	DC

Light technical data

Luminous Flux	13000 lm
Average Luminance (cd/cm ²)	45000 cd/cm ²
Luminous Intensity (cd)	1300 cd
Luminous Area (mm)	0.7 x 2.2 mm
Light Center Length - LCL (mm)	95.5 mm
Color Temperature	6000 K
Color Rendering Index	98
Average Rated Life - Horizontal (hr)	800 hr
Warranty Hours (hr)	800 hrs

Physical attributes

Base Anode	SFa20-8
Base Cathode	SFa20-10
Bulb Shape	KO136
Maximum Overall Length (mm)	260 mm

Product datasheet

Length l1 max. (mm)	260 mm
Length l2 max. (mm)	212 mm
Diameter d (in)	1.142 in
Diameter d (mm)	29.00 mm
Distance a (mm)	95.5 mm
Reflector Coating	29.00

Additional product data

Operating Position	s 100
Maximum Base Temperature (°C)	230 C
Cooling	Required
Hot Restart	Yes
Class	C (gas)

Packaging Information

Product number	EAN/UPC	Packaging	Quantity	Outside dimensions l x w x h	Gross weight
69242	4008321082510	Shipping box (Case)	1	16.1 in x 7.1 in x 7.2 in	1.6 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.

Disclaimer

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