



product details

XBO 450W/4

Product description: XBO 450W/4
 Product code: 4006584412990
 Quantity: Shipping carton box (VS) contains
 1 Piece (PCE)

You can find this product in the eCatalog:
http://catalog.myosram.com?~language=EN&~country=COM&it_p=4006584412990

Applications	
Cooling	Forced ¹⁾
Burning position	s30 ²⁾

General Description	
Base (standard designation)	SFs 20-8+Sfa 20-10
Arc stability, horizontal	No
Base anode (standard designation)	SFa20-8
Base cathode (standard designation)	SFa20-10

Logistical Data	
Product weight	119.100 g

Technical - Electrical Data	
Lamp voltage	17 V
Construction current	25 A
Lamp current	25 A
Current control range	17...30 A
Rated wattage	450 W

Technical - Geometries	
Diameter	29.00 mm
Length with base excl. base pins/connect	260 mm
Mounting length	212 mm
Light centre length (LCL)	95.5 mm ³⁾
Illuminated field	0.9*2.7 mm ²
Electrode gap cold	2.8 mm
Length	260 mm

Technical - Lifespan	
Lifespan	2000 h

Technical - Light Technical Data	
Luminous flux	13000 lm
Luminance	35000 cd/cm ²
Luminous intensity	1300 cd

Technical - Temperatures	
Maximum permissible ambient temperature	230 °C

Packaging units				
Product code	Packaging type and content	Dimensions in h x w x l	Gross weight	Volume
4006584412990	Shipping carton box contains 1 Piece	184,000 mm x 180,000 mm x 410,000 mm	682,600 g (0,000 g)	13,579 Cubic dec.





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Safety

Because of their high luminance, UV radiation and internal pressure in both the hot and cold state, XBO lamps may only be operated in enclosed lamp casings specially constructed for the purpose. Always use the protective jackets supplied when handling these lamps. When packing the lamps and when installing or removing the lamps without their protective jackets, always wear protective clothing (face mask with neck protector and leather gloves with wrist protectors). For more information see the relevant in-pack leaflets and operating instructions.

Their main characteristics and advantages are as follows

XBO lamps are double-ended short-arc discharge lamps in which the discharge arc burns between the two electrodes in an atmosphere of pure xenon gas.

- Very high luminance (point light source)
- Daylight color temperature of approx. 6,000 K
- High color rendering index ($R_a > 96$)
- Continual color quality, irrespective of lamp type and lamp wattage
- Hot restart
- DC operation
- Dimmable
- Long life

Applications

- Classic 35 mm film projection
- Digital film and video projection
- Architectural and effect light (Light Finger)
- Sunlight simulation

Literature

For more information on XBO lamps and their operation please refer to the following OSRAM brochures:

- Guideline for control gear and igniters: XBO Xenon short arc lamps
- Technology and application XBO cinema lamps

- 1) fan
- 2) Anode on top
- 3) Distance from end of base to tip of electrode (cold)