



product details

## XBO 1000W/HTP OFR



Product description: XBO 1000W/HTP OFR  
 Product code: 4008321081353  
 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=4008321081353](http://catalog.myosram.com?~language=EN&~country=COM&it_p=4008321081353)

Applications	
Cooling	Forced
Burning position	s30/p30 <sup>1)</sup>

General Description	
Base (standard designation)	SFa25-14+SFc25-14
Arc stability, horizontal	Yes
Base anode (standard designation)	SFa25-14
Base cathode (standard designation)	SFc25-14

Logistical Data	
Product weight	354.300 g

Technical - Electrical Data	
Construction wattage	1000 W
Lamp voltage	21 V
Construction current	45 A
Lamp current	45 A
Current control range	30...55 A
Nominal wattage	1000 W
Nominal voltage	21 V
Nominal current	45 A

Technical - Geometries	
Diameter	46 mm
Length with base excl. base pins/connect	330 mm
Mounting length	277 mm
Light center length (LCL)	123 mm <sup>2)</sup>
Illuminated field	1.0*4.0 mm <sup>2</sup>
Electrode gap cold	4.8 mm
Length	330.00 mm

Technical - Lifespan	
Lifespan	2400 h

Technical - Light Technical Data	
Luminous flux	35000 lm <sup>3)</sup>
Luminance	45000 cd/cm <sup>2</sup> <sup>4)</sup>
Luminous intensity	3200 cd <sup>5)</sup>

Technical - Temperatures	
Max. permitted ambient temp. pinch point	230 °C



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Packaging units				
Product code	Packaging type and content	Dimensions in h x w x l	Gross weight	Volume
4008321081353	Shipping carton box contains 1 Piece	204,000 mm x 200,000 mm x 500,000 mm	1.223,333 g (0,000 g)	20,400 Cubic dec.

### 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

### Disposal

\* The cold internal pressure of the lamp is approx. 8 bar of Xenon, the lamp must first be depressurized before it can be disposed. Place the lamp - in its protective jacket - in a plastic bag and drop it from a height of 1...1.5m onto a hard surface (e.g. concrete).

### 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) For vertical burning position: anode (+) on top
- 2) Distance from end of base to tip of electrode (cold)
- 3) Measured in the vertical burning position
- 4) Measured in the vertical burning position
- 5) Measured in the vertical burning position