product details

HBO 200W/2 L2

Product description:	HBO 200W/2 L2
Product code:	4050300508283
Quantity:	Folding carton box (FS) contains 1 Piece (PCE)

You can find this product in the eCatalog:
http://catalog.myosram.com?~language=EN&~country=COM&it_p=4050300508283

Applications	
Burning position	s90 [1]

Categorizations	
NAED	69222

General Description	
Base (standard designation)	SFc10-4/15
Base anode (standard designation)	SFc10-4
Base cathode (standard designation)	SFc10-4

Logistical Data	
Product weight	32 g

Technical - Electrical Data	
Type of current	AC/DC
Construction voltage	49 V
Lamp wattage	200 W
Lamp voltage	47...57 V [2]
Lamp current	3.5...4.3 A [3]
Rated wattage	200 W

Technical - Geometries	
Diameter	17 mm
Length with base excl. base pins/connect	128 mm
Mounting length	102 mm
Filament length	0.60 mm
Light centre length (LCL)	40 mm [4]
Length	125 mm
Filament diameter	2.2 mm

Technical - Lifespan	
Lifespan	200 h | 400 h [5]

Technical - Light Technical Data	
Luminous flux	10000 lm [6]
Luminance	40000 cd/cm² [7]
Luminous intensity	1000 cd [8]
Luminous efficacy	50 lm/W

Packaging units

Product code	Packaging type and content	Dimensions in h x w x l	Gross weight	Volume
4050300508283	Folding carton box contains 1 Piece	95,000 mm x 48,000 mm x 165,000 mm	88,000 g (0,000 g)	0,752 Cubic dec.

OSRAM

26.01.2011

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Packaging units				
Product code	**Packaging type and content**	**Dimensions in h x w x l**	**Gross weight**	**Volume**
4050300508290	Shipping carton box contains 10 Piece	225,000 mm x 210,000 mm x 235,000 mm	1.348,000 g (0,000 g)	11,104 Cubic dec.

HBO lamps (up to and including 200 W) are short arc lamps in which the discharge arc burns in an atmosphere of mercury vapor and inert gas at high pressure. A cold lamp however is not at overpressure.

The most important properties and benefits

- High radiance
- Multi-line spectrum
- High radiant power in the UV and the visible range

Applications

- Fluorescence microscopy
- UV curing
- A variety of light guide applications

Safety

Because of their high luminance, UV radiation and high internal pressure (when hot) HBO lamps may only be operated in enclosed lamp casings specially constructed for the purpose. Mercury is released if the lamp breaks. Special safety precautions must be taken. More information is available on request or can be found in the leaflet included with the lamp or in the operating instructions.

Literature

Further technical information on HBO lamps and information for manufacturers of operating equipment can be requested directly from OSRAM.

1) Anode underneath
2) Initial electrical values
3) Initial electrical values
4) Distance from end of base to tip of electrode (cold)
5) Reduced lifespan in AC operation
6) Typical initial photometric value
7) Typical initial photometric value
8) Typical initial photometric value