

HBO 200 W/2 L1



Product features and benefits

- High luminance / radiance with intense point source
- Broad spectral distribution in the visible and ultraviolet range
- Enhanced UV characteristics available on some types
- High arc stability

Areas of application

- Microscopy
- Laboratory & Analysis
- UV Curing
- Fiber Illumination
- Microscopy
- Solar Simulation

Product datasheet

Technical data

General product information

Product Number	69198
Product Name	HBO200W2L1 65V 10/CS 1/SKU
Ordering Abbreviation	HBO 200 W/2 L1
Brand Name	OSRAM
Family Brand Name	HBO
General Description	200 watt, mercury short arc, double-ended
Application	Semiconductor, UV Light Curing, Microscopy
Product Remark	<ul style="list-style-type: none">- s (Operating Position) = Vertical, base down- For DC operation both Product Numbers 69198 & 69222 can be used (47...65Volts / 3.1...4.2Amps). For AC operation Product Number 69198 (L1 version 57 65 Volt / 3.6 Amps) or Product Number 69222 (L2 version 49 57 Volt / 4.2 Amps) can be used.- Technical data if operated on AC current: Volts=65, Lumens=10,000 lm, Luminous Efficacy=50 lm/W.

Electrical data

Nominal Wattage	200 W
Nominal Voltage	57.00-65.00 V
Type of Current	DC or AC

Light technical data

Luminous Flux	9500 lm
Average Luminance (cd/cm ²)	40000 cd/cm ²
Luminous Intensity (cd)	1000 cd
Luminous Area (mm)	0.6 x 2.2 mm
Luminous Efficacy (lm/W)	47.5 lm/W
Light Center Length - LCL (mm)	40 mm
Average Rated Life	400 h

Physical attributes

Base Anode	SFc10-4
Base Cathode	SFc10-4
Bulb Shape	KO113
Maximum Overall Length (mm)	128 mm
Length l1 (mm)	128 mm

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Length l1 max. (mm)	128 mm
Length l2 (mm)	102 mm
Length l2 max. (mm)	102 mm
Diameter d (in)	39.331 in
Diameter d (mm)	999.00 mm
Distance a (mm)	40 mm
Reflector Coating	999.00

Additional product data

Operating Position	s 45
Maximum Base Temperature (°C)	230 C
Cooling	Convection
Class	C (gas)

Safety advice

Due to their high luminance, UV radiation, and high internal pressure in the hot state, HBO and HXP lamps may only be operated in enclosed lamp casings designed for their operation. Since mercury is released if the lamp breaks, special safety precautions must be taken. More information is available upon request, or can be found in the leaflet or operating instructions included with the lamp. You can also review our Product Safety Guide.

Packaging Information

Product number	EAN/UPC	Packaging	Quantity	Outside dimensions l x w x h	Gross weight
69198	4050300508153	Folding box (SKU)	1	6.5 in x 1.9 in x 3.7 in	0.2 lb
69198	4050300508160	Shipping box (Case)	10	9.3 in x 8.3 in x 8.9 in	2.6 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

OSRAM does not accept liability for errors, changes and omissions.