

HBO 50 W AC L2



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

Technical data

General product information

Product Number	69214
Product Name	HBO50WACL2 42V 10/CS 1/SKU
Ordering Abbreviation	HBO 50 W AC L2
Brand Name	OSRAM
Family Brand Name	HBO
General Description	50 watt, mercury short arc, double-ended
Application	UV Light Curing, Microscopy
Product Remark	– s (Operating Position) = Vertical, base down

Electrical data

Nominal Wattage	50 W
Nominal Voltage	34-39 V
Current (A)	1.45 A
Type of Current	AC

Light technical data

Average Luminance (cd/cm ²)	30000 cd/cm ²
Luminous Intensity (cd)	230 cd
Luminous Area (mm)	0.3 x 1.0 mm
Luminous Efficacy (lm/W)	40 lm/W
Light Center Length - LCL (mm)	22 mm

Physical attributes

Base Anode	SFa6-2
Base Cathode	SFa6-2
Bulb Shape	KO118
Maximum Overall Length (mm)	53 mm
Length l1 (mm)	53 mm
Length l1 max. (mm)	53 mm
Length l2 (mm)	47 mm
Length l2 max. (mm)	47 mm
Diameter d (in)	39.331 in
Diameter d (mm)	999.00 mm
Distance a (mm)	22 mm
Reflector Coating	999.00

Product datasheet

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
69214	4050300507118	Folding box (SKU)	1	7 in x 1.9 in x 3.9 in	0.1 lb
69214	4050300507125	Shipping box (Case)	10	9.3 in x 8.3 in x 8.9 in	1.8 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.