

HBO 103 W/2 10/CS 1/SKU



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	69182
Product Name	HBO 103 W/2 10/CS 1/SKU
Ordering Abbreviation	HBO 103 W/2 10/CS 1/SKU
Family Brand Name	HBO
Application	UV Light Curing, Microscopy, Photo-Polymerization
Product Remark	– s (Operating Position) = Vertical, base down – Lamp optimized for fluorescence microscopy.

Electrical data

Nominal Wattage	103 W
Current (A)	4.44 A
Type of Current	DC

Light technical data

Luminous Flux	2550 lm
Average Luminance (cd/cm2)	150000 cd/cm2
Luminous Intensity (cd)	270.0 cd
Luminous Area (mm)	0.25 x 0.25 mm
Luminous Efficacy (lm/W)	30 lm/W
Light Center Length - LCL (mm)	43 mm
Average Rated Life	300 h

Physical attributes

Base Anode	SFa7.5-2
Base Cathode	SFa9-2
Bulb Shape	T10
Maximum Overall Length (mm)	90 mm
Length l1 (mm)	90 mm
Length l1 max. (mm)	90 mm
Diameter d (in)	0.394 in
Diameter d (mm)	10.00 mm
Distance a (mm)	43 mm
Electrode Gap - cold (mm)	0.6 mm
Reflector Coating	10.00

Additional product data

Product datasheet

Operating Position	s 90
Maximum Base Temperature (°C)	230 C
Cooling	Convection
Class	C (gas)
Lamp Type	HBO103W/2

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
69182	4050300382128	Folding box (SKU)	1	7.2 in x 3.4 in x 2.3 in	0.2 lb
69182	4050300507187	Shipping box (Case)	10	9.3 in x 8.3 in x 8.9 in	2.1 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.

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