

HXP R 120W/45C UV



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	69120
Product Name	HXPR120W45CUV 2/CS 1/SKU
Ordering Abbreviation	HXP R 120W/45C UV
Brand Name	OSRAM
General Description	120 watts, short arc mercury, with reflector
Application	UV curing
Product Remark	<ul style="list-style-type: none">- p (Operating Position) = Horizontal- 125 mm (front ring to plug) and 95 mm (rear cap to plug) silicon cables terminated with MATE-N-LOK plug no. 350809-1 with pins no. 926868-3 by AMP Inc.- It takes time for the mercury in the lamp to evaporate. Typically 95% of luminous output are generated after approximately 120 seconds. For quality inspection purposes allow for five minutes burning time.- Excessive airflow may lead to mercury condensation in the discharge lamp bulb and consequently to a performance drop.- Operation time after which either aperture lumens decrease to 50% of initial value or the lamp voltage reaches 115 V and the lamp cannot be ignited. Switching cycle: 210 minutes on / 30 minutes off.- Operational bulb wall temperatures lower than 850°C may lead to mercury condensation and prevent the lamp from reaching stable operation conditions; temperatures higher than 950°C may lead to premature failures of the lamp.- Output is understood as total energy in the range 320 ... 500 nm focused on an aperture with diameter d at working distance a in front of the reflector.

Electrical data

Nominal Wattage	120 W
Nominal Voltage	85 V
Current (A)	1.4 A
Type of Current	AC

Light technical data

Beam Angle (degree)	22.4 deg
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Product datasheet

Working Distance a (mm)	45 mm
Average Rated Life	2000 h

Physical attributes

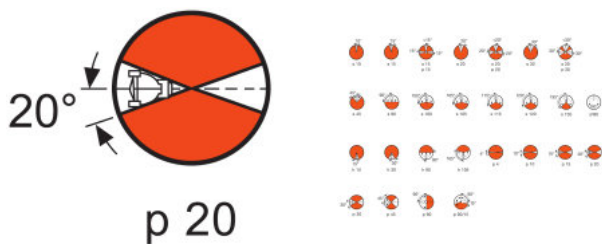
Bulb Shape	T67
Maximum Overall Length (mm)	77 mm
Length l1 (mm)	77 mm
Length l1 max. (mm)	77 mm
Diameter d (in)	2.638 in
Diameter d (mm)	67.00 mm

Additional product data

Operating Position	p 20
Maximum Base Temperature (°C)	0 C
Hot Restart	Yes
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
69120	4050300666525	Folding box (SKU)	1	4.1 in x 3.4 in x 3.4 in	0.4 lb
69120	4050300666532	Shipping box (Case)	2	7.3 in x 4.7 in x 3.9 in	0.8 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.

Product datasheet

Disclaimer

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