

Product Information Bulletin

HXP[®] R 120W/45C VIS

Mercury Short Arc Lamp

- Long-life: average 2,000 hours
- AC operation
- Short arc
- Focused light with approx. 45° full cone angle
- Reflector with suppressed IR reflectivity
- 45 mm working distance
- Focus diameter approx. 5 mm
- Cables with universal MATE-N-LOK^{*} connector



Specification Information

Lamp Ordering Abbreviation Code: **HXP R 120W/45C VIS**

Electrical data:

Rated lamp wattage (power)	120	W
Rated lamp voltage	60-90	V
Rated lamp current	1.4	A
Ignition voltage (cold)	2x10, symmetrical	kV

Geometrical data:

Working Distance (a)	45	mm
Length (l1)	77	mm
Reflector diameter (max)	67.0	mm
Beam-to-axis angle (max) (α)	22.4	Deg.

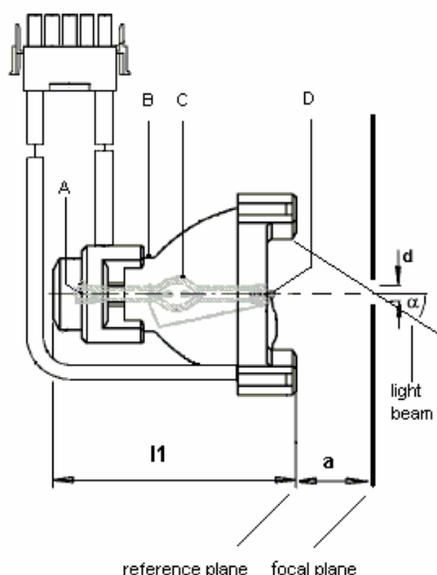
Other data:

Average service life ¹	2000	Hrs
Operating Position	p20, horizontal \pm 20	

Lamp operation:

Temperature at point A (max)	350	°C
Temperature at point B (max)	250	°C
Temperature at point C	850 - 950 ²	°C
Temperature at point D (max)	350	°C

^{*} Trademark of AMP Inc (see www.amp.com)



Application Information

Applications

- Medical and industrial fiber optics

WARNING

This lamp emits ultraviolet (UV) radiation and operates at high internal pressure. **Before use** read the complete warning accompanying the product.

Disposal

When disposing of spent lamps, always consult federal, state, local and provincial hazardous waste disposal rules and regulations to ensure proper disposal.

1. Operation time after which either aperture lumens decrease to 50% of initial value or the lamp voltage reaches 115V and the lamp cannot be ignited. Switching cycle: 210 minutes on / 30 minutes off.
2. 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.

Ordering Information

Lamp Description	NAED Code	Standard Case Quantity
HXP R 120W/45C VIS	69119	2/case

For Orders and General Information:

In The United States:

OSRAM SYLVANIA

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Support Center
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Phone: 1-888-677-2627
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Special Markets

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In Mexico:

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