



High Intensity UV Lamps

Description

The Blak-Ray B-100 Series high powered UV lamps offer brilliant irradiance for optimum fluorescence. B-100AP lamp (shown) is placed in the transformer base for hands-free operation.

Applications

- Fluorescence Inspections
- Non Destructive Testing
- Leak Detection
- Readmission

Models

B-100 AP und B-100 AP/R

- Cool-Touch housing and ballast base
- Lamp head can rotate 360 degrees when attached to the base for hands-free operation or lamp can be removed from the base
- Bei einer Entfernung von 457 mm produziert die Lampe in der Mitte einen hochintensiven Bereich von ca. 127 mm Durchmesser
- For added mobility, select the B-100AP/R which includes 6.1 m primary and secondary cords.

B-100 YP

- The high contrast light is produced for fine surface particle detection. Particles down to 10 microns are routinely visible with this lamp.
- Features a yellow filter which blocks wavelengths shorter than 500 nm and produces three strong mercury lines at 543, 574 and 576 nm.
- These lamps are excellent for semiconductor wafer inspection as most photoresist absorption occurs below 450 nm.



B-100 AP



Caution UV-Source:

Ultraviolet lamps are powerful sources of UV radiation that will cause damage to unprotected eyes and skin. Before operating any unit, be sure all personnel in the area are properly protected. Personnel should protect skin and eyes by wearing ultraviolet protection eyewear, gloves and clothing when operating the UV equipment.

Model	Intensity 5 cm / 25 cm ($\mu\text{W} / \text{cm}^2$)	Wave- length	Watt	Lamp Head Diameter	Weight	Item No.
B-100 AP with Cool-Touch housing	21.700 / 8.900	365 nm	100 Watt	248 x 152 mm	5.6 kg	110.5000
B-100 AP/R with Cool-Touch housing incl. 6 m cord	21.700 / 8.900	365 nm	100 Watt	248 x 152 mm	5.6 kg	110.5001
B-100 YP with Cool-Touch housing yellow filter		365 nm	100 Watt	216 x 140 mm	5.6 kg	110.5005