

High Intensity UV Lamps

Description

The B-100 series lamps deliver brilliant light with optimal fluorescence. These high-intensity UV lamps feature heat-resistant Cool-Touch® plastic housings, allowing for comfortable working even when the lamps have been switched on for extended periods.

Applications

- Fluorescence inspections
- Non destructive testing
- Leak detection

Models

B-100 AP und B-100 AP/R

- The lamp handle can be attached to the transformer base for hands-free use.
- When used hands-free on the transformer base, the lamp head can be rotated 360°.
- At a distance of 457 mm, the lamp produces a high-intensity area of approximately 127 mm in diameter in the center.
- Model B-100 AP/R is identical to the B-100 AP, but offers a larger operating radius thanks to an additional 6-meter cable.

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.



High intensity lamp
Model 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