

High Intensity UV Lamps

Blak-Ray® B-100 high intensity lamps supply brilliant UV irradiance for optimum fluorescence. All "AP" series lamps come with the special heat resistant plastic. The Cool-Touch™ housing that allows users to handle the lamp head regardless of how long the lamp has been operating.

B-100AP and B-10AP/R UV Lamps

The B-100AP provides 100 watts of high intensity longwave (365nm) illumination.

- 100 watt longwave bulb and ballast base
- At 18 in. (457 mm), the lamp produces a highly intense center of UV irradiance approximately 5 in. (127 mm) in diameter
- Lamp head rotates 360° when attached to the base
- The grip handle fits into the transformer base for easy lamp storage and hands-free lamp operation
- The B-100AP/R has the same features as the B-100AP but includes 20 ft (6.1 m) primary and secondary cords for added mobility
- Two cord holders on the B-100AP/R, extending 2.93 in. (74 mm) on two sides of the ballast, keep loose cord under control
- Optional equipment: 1) funnel directs the UV source to a specific area 2) visor shields the user from blue haze emitted from the lamp, 3) finger guard blocks fingers from touching the bulb, 4) exposure box for fluorescing small samples



Exposure Box

B-100SP Lamp

This 140-watt longwave, self-ballasted lamp is UVP's most portable high-powered lamp.

- The ballast is built directly into the bulb
- The lamp cord length is 8 ft. (2.44 m)



B-100SP Self-ballasted bulb included with the B-100SP has an average life of 450 to 2000 hours.

- The on/off switch is positioned on the handle for easy accessibility
- Perfect for automotive leak detection



B-100AP Uses include science, non-destructive testing and fluorescence inspection.

Accessories

from left to right: Finger guard, visor, funnel.



Dimensions:

B-100AP and AP/R Lamp Head 9.75L x 6 Dia in. (248 x 152mm) Weight: 12.5 lb. (5.6kg)

Ordering Information

B-100AP 100-watt 365nm longwave Intensity 2 in./10 in. ($\mu\text{W}/\text{cm}^2$)	95-0127-01 (115V) 95-0127-02 (230V) 21,700/8,900
B-100AP/R 100-watt 365nm longwave Intensity 2 in./10 in. ($\mu\text{W}/\text{cm}^2$)	95-0127-06 (115V) 95-0127-07 (230V) 21,700/8,900
Bulb, Spot Bulb (lamps prior to June 2002)	34-0054-01 (34-0011-01)
Finger Guard	89-0068-01
Lamp Funnel	19-0126-01
Lamp Visor	19-0125-01
Exposure Box	76-0055-01

Ordering Information

B-100SP 140-watt (365nm) longwave Intensity at 2/10 in. ($\mu\text{W}/\text{cm}^2$)	95-0128-01 (115V) (230V not available) 11,600/5,000
Bulb Protector	17-0057-01
Bulb, Self Ballasted	34-0049-01
Lamp Funnel	19-0126-01
Lamp Visor	19-0125-01

Dimensions:

Lamp Head 9.75L x 6Dia. in. (248 x 152mm)
Weight: 3.14 lb. (1.43kg)



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B-100A and B-100A/R Lamps

The B-100A High Intensity Lamp, features 100 watts of 365nm longwave UV which is excellent for many applications including inspection purposes.

- Manufactured with a scratch-resistant, powder painted aluminum lamp head
- Lamp head is connected to the transformer base by an 8 ft. (2.44 m) cord
- The handle fits into the transformer base allowing the lamp head to rotate a full 360 degrees



B-100A/R
includes 20 ft.
(6.1 m) primary
and secondary
cords for
additional
mobility.

- The B-100A/R has the same features as the B-100A plus 20 ft. (6.1 m) primary and secondary cords for additional mobility
- Two cord holders (on two sides of the ballast) keep slack cord under control

B-100Y and B-100YP Lamps

These lamps provide high-contrast light for the semiconductor fabrication industry and fine surface particle detection.

- A yellow filter blocks wavelengths shorter than 500nm and produces three strong mercury lines at 543, 574 and 576nm
- Lamp intensity is so brilliant, particles down to only 10 microns are routinely visible
- The lamp handle fits into the transformer base allowing the lamp head to rotate 360 degrees
- B-100Y has scratch-resistant, powder painted aluminum housing, while the B-100YP has a Cool-Touch design.

BL-15 UV Inspection Lamp



BL-15 has a narrow, durable plastic housing.

Dimensions:: 20L x 2Dia in. (508 x 50.8mm)
Weight: 2.5 lb (1.1kg); Cord length: 15 ft.

B-100A The pistol-grip handle balances the lamp comfortably in the hand.



Dimensions:

B-100A, B-100A/R: Lamp Head 8.5L x 5.5Dia. in.
(216 x 140mm) Weight: 11.72lb (5.33kg)

Ordering Information

B-100A	95-0044-22 (115V) 95-0044-02 (230V) Intensity at 2/10 in. ($\mu\text{W}/\text{cm}^2$) 21,700/8,900
B-100A/R	95-0044-03 (115V) 95-0044-04 (230V) Intensity at 2/10 in. ($\mu\text{W}/\text{cm}^2$) 21,700/8,900
B-100Y	95-0044-24 (115V) 95-0044-18 (230V)
B-100YP	95-0127-03 (115V) 95-0127-04 (230V)
Bulb, Spot Bulb (lamps prior to June 2002)	34-0054-01 (34-0011-01)
Lamp Guard	19-0158-01
Lamp Visor (B-100Y, B-100A)	19-0124-01
Filter (B-100Y, B-100YP)	38-0009-02

Note: B-100A, B-100A/R and B-100Y are not CE marked.

B-100YP produces high contrast light for fine surface particle detection.



Dimensions:

B-100YP: Lamp Head
9.75D x 6Dia in.
(248 x 152mm) Weight:
12.48 lb. (5.67 kg)

The BL-15 longwave 365nm BLB UV lamp is ideal for inspection applications in hard to reach places.

- The lamp has a long, narrow housing that is lightweight for easy handheld use
- Two adjustable hooks are included

Ordering Information

BL-15 (not CE)	95-0130-01 (115V)
Replacement Tube, 15-watt	34-0017-01