

## High Intensity UV Lamps

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

### B-100AP and B-100AP/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

#### Accessories

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 and 4) **Exposure Box** for fluorescing small samples



**B-100AP with Exposure Box**

### B-100SP Lamp

The **B-100SP lamp**, a 140-watt longwave, self-ballasted lamp, is UVP's most powerful portable lamp.

- Ballast is built directly into the bulb
- Lamp cord length is 8 ft. (2.44 m)



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

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



**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>B-100AP</b> 100-watt 365nm longwave Intensity 2 in./10 in. ( $\mu\text{W}/\text{cm}^2$ ): 21,700/8,900	95-0127-01 (115V) 95-0127-02 (230V)
<b>B-100AP/R</b> 100-watt 365nm longwave Intensity 2 in./10 in. ( $\mu\text{W}/\text{cm}^2$ ): 21,700/8,900	95-0127-06 (115V) 95-0127-07 (230V)
Bulb, Spot	34-0054-01
Filter/Bezel Assembly	38-0168-01
Finger Guard	89-0068-01
Lamp Funnel	19-0126-01
Lamp Visor	19-0125-01
Exposure Box	76-0055-01

#### Ordering Information

<b>B-100SP</b> 140-watt 365nm longwave Intensity at 2/10 in. ( $\mu\text{W}/\text{cm}^2$ ): 11,600/5,000	95-0128-01 (115V) (230V not available)
Bulb Protector	17-0057-01
Bulb, Self Ballasted	34-0049-01
Filter/Bezel Assembly	38-0168-05
Lamp Visor	19-0126-01
Lamp Funnel	19-0125-01

#### Dimensions:

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

### 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 uses 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; cord holders (on two sides of the ballast) keep slack cord under control

### B-100Y and B-100YP Lamps

The **B-100Y** and **B-100YP** 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 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 and 15' cord.

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

**B-100A** 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>B-100A</b> 100-watt, 365nm Intensity at 2/10 in. ( $\mu\text{W}/\text{cm}^2$ )	95-0044-22 (115V) 95-0044-02 (230V) 21,700/8,900
<b>B-100A/R</b> 100-watt, 365nm Intensity at 2/10 in. ( $\mu\text{W}/\text{cm}^2$ )	95-0044-03 (115V) 95-0044-04 (230V) 21,700/8,900
<b>B-100Y</b> 100-watt	95-0044-24 (115V) 95-0044-18 (230V)
<b>B-100YP</b> 100-watt	95-0127-03 (115V) 95-0127-04 (230V)
Bulb, Spot	34-0054-01
Lamp Guard	19-0158-01
Lamp Visor (B-100Y, B-100A)	19-0124-01
Filter/Bezel (B-100YP)	38-0168-02
Filter/Bezel (B-100A, B-100A/R)	38-0168-03
Filter/Bezel (B-100Y)	38-0168-04



**B-100Y** and **B-100YP** produce high contrast light for fine surface particle detection.

**Dimensions:**

B-100YP: Lamp Head 9.75D x 6Dia in. (248 x 152mm)  
B-100Y: Lamp head 8.5L x 5.5Dia. in. (216 x 140mm)

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**

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