

VIVID™

Replacement Bulb

Transform your NDT inspection operations with the **VIVID™ UV-A LED** replacement bulbs—the smart upgrade from outdated mercury vapor HID technology. Engineered for professional non-destructive testing applications, these direct-replacement LED bulbs deliver superior performance while dramatically reducing operational costs and environmental impact.

Compatible with existing Spectro-UV® lamp fixtures including SB-100P, FC-100, BIB-150P, and BIB-150P/F series, the VIVID™ bulbs provide seamless integration with your current equipment investment.

**Key Features**

- **10x Longer Lifespan (50,000 hours)** - Eliminates frequent bulb replacements and reduces labor costs with 90% fewer bulb changes compared to 5,000-hour mercury vapor bulbs
- **Instant-On Operation** - Eliminates warm-up delays and increases productivity with immediate full-intensity UV-A output for uninterrupted NDT inspections
- **Superior Performance** - Delivers consistent 4,700 $\mu\text{W}/\text{cm}^2$ UV-A output at 15" with large, uniform 6.5" diameter beam coverage for reliable inspection results
- **50% Cooler Operation (109°F vs 225°F)** - Enhances workplace safety and comfort while reducing heat-related equipment stress and operator fatigue
- **Direct Replacement Compatibility** - Works seamlessly with existing Spectro-UV® fixtures (SB-100P, FC-100, BIB-150P series) to protect your equipment investment
- **Energy Efficient & Eco-Friendly** - Reduces electricity consumption and eliminates mercury waste disposal while supporting sustainable operations
- **Professional NDT Standards** - Meets standard wavelength and output specifications with minimal visible light emission (<1.0 foot-candle) for optimal fluorescent penetrant visibility
- **Patented Bulb-Saver™ Technology** - Maintains proper bulb alignment and extends lifespan through usage (included with BLE-LED-150 and 150/F models)
- **Flexible Voltage Options** - Available in 120V (BLE-LED-150) and 230V (BLE-LED-150/F) configurations for international compatibility

Part Number	Nominal Steady-State UV-A Intensity at 15 in (38 cm)	UV-A Coverage Area at 15 in (38 cm) at minimum 1,000 $\mu\text{W}/\text{cm}^2$	Visible Light Measurement
BLE-LED-100	4,700 $\mu\text{W}/\text{cm}^2$	6.5 in (16.5 cm) Diameter	<1 foot-candle (11 lux)
BLE-LED-150	4,700 $\mu\text{W}/\text{cm}^2$	6.5 in (16.5 cm) Diameter	<1 foot-candle (11 lux)
BLE-LED-150/F	4,700 $\mu\text{W}/\text{cm}^2$	6.5 in (16.5 cm) Diameter	<1 foot-candle (11 lux)