SPECTROLINE® NDT

VIVID™

UV-A LED Replacement Bulbs

BLE-LED-100, BLE-LED-150 + BLE-LED-150/F

Convert your mercury vapor HID lamp to modern LED technology.

10x LONGER

LONGEVITY
Rated life is **10x longer** than a mercury vapor HID bulb (with typical use)

ECONOMICAL
Pays for itself over time!

INSTANT-ON OPERATION
No wait time to get to full intensity

LOWER LABOR COSTS
Eliminates down-time

SAFER
Over 50% cooler!
225°F (HID) vs. **109°F** (LED)

ENVIRONMENTAL
Less environmental waste with fewer bulbs and energy efficient

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The average lifespan of a mercury-vapor bulb when used in NDT inspection is 5,000 hours.

Upgrade to the VIVID™ and reap the benefits of LEDs that last **50,000 hours** (based on average use).

Can be used in custom lamp fixtures that include enclosures.

BLE-LED-100

COMES WITH PATENTED BULB-SAVER™

Keeps bulb upright in housing and maintains alignment through usage, increasing longevity.

BLE-LED-150

INCLUDES **BULB EXTENDER*** for BIB-150P lamps (120V)

P/N *129585

BLE-LED-150/F

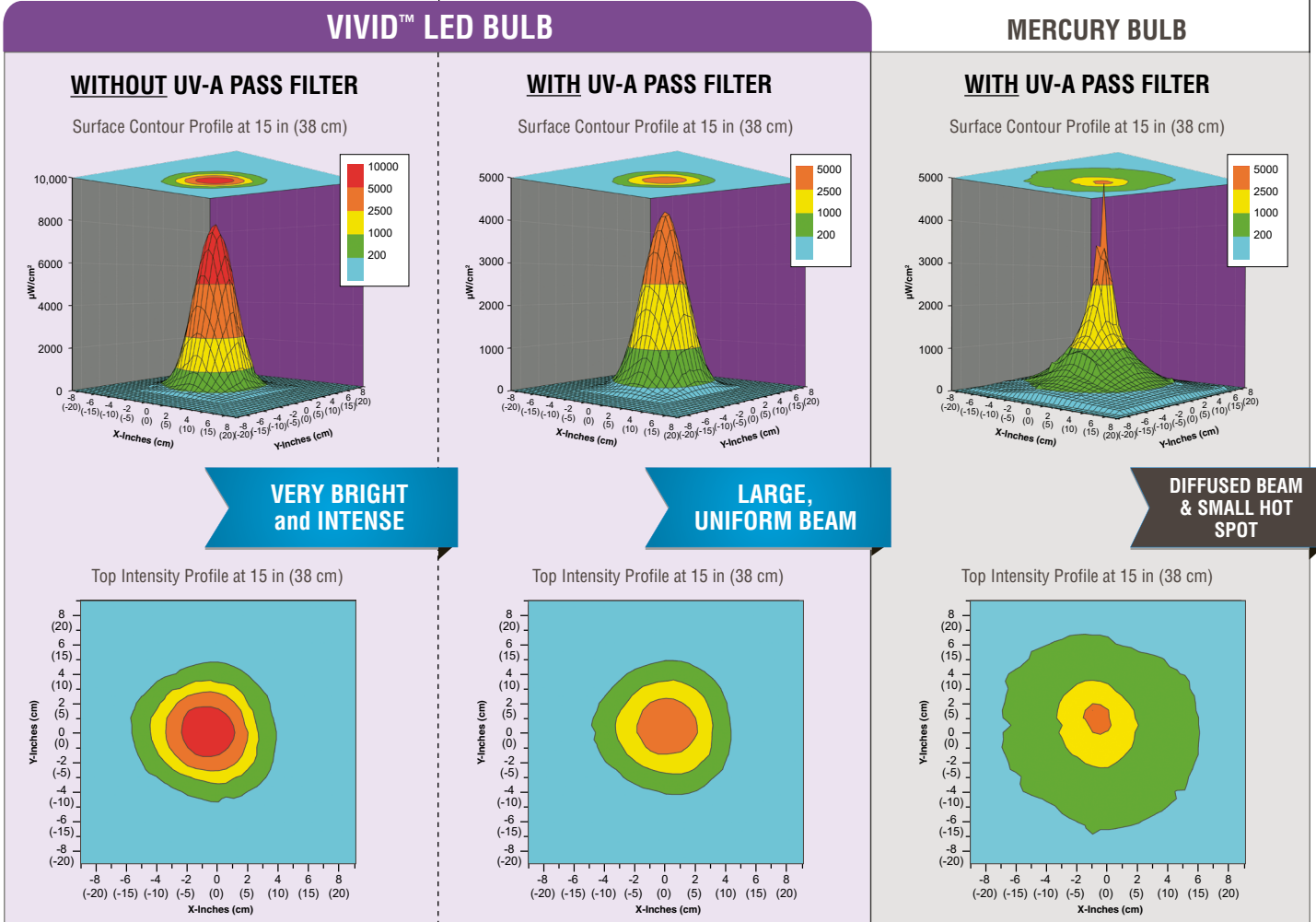INCLUDES **BULB EXTENDER*** for BIB-150P/F lamps (230V)

P/N *130245

UPGRADE TO LED

SB-100P

MODEL	NOMINAL STEADY-STATE UV-A INTENSITY at 15 in (38 cm)	UV-A COVERAGE AREA at 15 in (38 cm) at minimum 1,000 µW/cm²	VISIBLE LIGHT MEASUREMENT
BLE-LED-100 BLE-LED-150 BLE-LED-150/F	4,700 µW/cm² (with UV-A pass filter)	6.5 in (16.5 cm) Diameter	< 1.0 foot-candle (11 lux)

✓ Meets standard wavelength and output specifications

CE UKCA

VIVID™ -VS- MERCURY BULB COMPARISON

VIVID™ LED BULB

MERCURY BULB

WITHOUT UV-A PASS FILTER

Surface Contour Profile at 15 in (38 cm)

▶ **VERY BRIGHT and INTENSE**

Top Intensity Profile at 15 in (38 cm)

WITH UV-A PASS FILTER

Surface Contour Profile at 15 in (38 cm)

▶ **LARGE, UNIFORM BEAM**

Top Intensity Profile at 15 in (38 cm)

WITH UV-A PASS FILTER

Surface Contour Profile at 15 in (38 cm)

▶ **DIFFUSED BEAM & SMALL HOT SPOT**

Top Intensity Profile at 15 in (38 cm)

Works **seamlessly** in conjunction with the following Spectroline® HID lamps, saving you both time and money on bulb changes:

LAMP	CURRENT BULB TYPE	REPLACEMENT VIVID BULB
SB-100P Series	100S/M HID Bulb	BLE-LED-100
FC-100 Series	100S/M HID Bulb	
BIB-150P Series	BLE-150CS-115/M	BLE-LED-150
	BLE-150BS-115/M	
	BLE-150CS-100/M	
BIB-150P/F Series	BLE-150CS-230/M	BLE-LED-150/F
FC-150/F Series	BLE-150FC-230/M	

SPECTRO-UV

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