# SPECTROLINE®

## EK-3000 EAGLE EYE™

# UV-A/White Light LED Inspection Kit
### (U.S. and foreign patents pending)

## *A New Palm-Sized, Cool-Running, Hands-Free Light Source!*

**Ideal for fluorescent magnetic particle and penetrant testing, mining inspection and a variety of other specialized applications!**

### Features

- Compact, lightweight lamp with two ultra-high intensity UV-A (365 nm) LEDs for inspection, plus a three-LED white light assembly for general illumination

- Adjustable strap allows lamp to be worn on a hard hat or directly on the head for hands-free operation

- Unique lamp mount/sprayer attachment permits lamp and spray can to be mounted together for convenient, single-handed fluorescent yoke inspection

- Built-in fan keeps lamp cool to maintain optimum UV-A intensity during extended use

- Splash guard with integral particulate filter protects UV lenses and cooling fan from damage

- 30,000-hour LED service life

- Powered by a rechargeable lithium-ion battery (included). Provides up to 75 minutes of continuous inspection between charges.
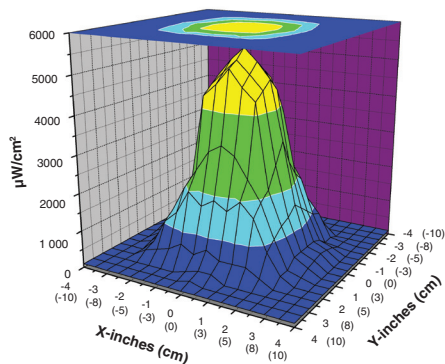
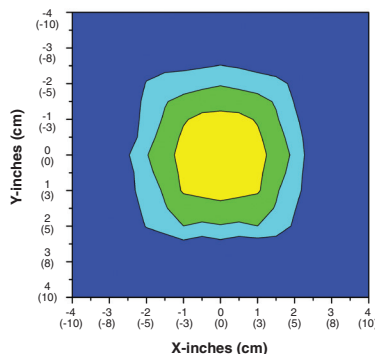Spray <u>and</u> inspect in one simple step!

## SPECTRONICS CORPORATION

# EK-3000

**EAGLE EYE™**

## UV-A/White Light LED Inspection Kit

This versatile kit features the EagleEye lamp, a powerful, palm-sized unit with two ultra-high intensity UV-A (365 nm) LEDs for inspection, <u>plus</u> a three-LED white light assembly for illumination in dark workspaces. An adjustable strap allows the lightweight lamp to be worn on a hard hat or directly on the head! This kit is perfect for fluorescent magnetic particle and penetrant testing, mining inspection and countless other "hands-free" inspection applications!



Surface Contour Profile at 15 in (38 cm)

Top Intensity Profile at 15 in (38 cm)



**The EK-3000 EagleEye™ Kit** also comes with a lanyard, two replacement splash guards with integral particulate filters, three spare batteries, battery charging cradle with AC and DC cord sets, UV-absorbing spectacles and soft carrying case.

### REPLACEMENT PARTS

| | | | |
|---|---|---|---|
| **EE-365** | UV-A/white light LED lamp | **RB-365DC** | DC cord set for BCC-100 |
| **LMS-100** | Lamp mount/sprayer | **127160** | Lithium-ion battery (rechargeable) |
| **HS-100** | Head strap | | |
| **SG-100** | Splash guard with integral particulate filter (set of three) | **UVS-30** | UV-absorbing spectacles |
| | | **UL-100** | UV lens |
| **BCC-100** | Battery charging cradle | **CC-370A** | Soft carrying case |
| **RB-365** | AC cord set for BCC-100 | | |

### *LAMP SPECIFICATIONS*

**Product Number:**
EE-365

**Light Sources:**
2 UV LEDs, 3 white light LEDs

**Dimensions:**
Length  3.75 in (9.5 cm)
Width  2.25 in (5.7 cm)
Height  1.85 in (4.7 cm)

**Weight with battery:** 8 oz (227 g)

**Power requirement:**
One 3.7V 2200mA/Hr lithium-ion battery (rechargeable)

**Run time:**
75 minutes (continuous)

**Charge time:**
2 hours (one battery)
8 hours (four batteries)

**Charging cradle:**
Four-battery capability with AC and DC cord sets. AC cord set available in 120V, 230V, 240V and 100V versions.

**Nominal steady-state UV-A (365 nm) intensity:**

6 in (15 cm) — 20,000 µW/cm²
15 in (38 cm) — 4,500 µW/cm²
24 in (61 cm) — 2,000 µW/cm²
36 in (91 cm) — 1,000 µW/cm²

**NOTE:** All UV-A intensity readings taken with a Spectroline® AccuMAX™ Series meter

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