

# Maxima™ 3500

— the ultra-high intensity UV-A lamp!

## Ideal for:

- Non-destructive testing and quality control
- UV curing
- Detecting voids in coatings
- Fluorescent leak detection:
  - Refrigerants
  - Circulating and hydraulic fluids
- Entertainment/Stage lighting
- Display applications
- Industrial applications
- Hydrocarbon contamination detection



## Features state-of-the-art micro discharge light (MDL) technology with user-friendly design!

- Produces up to 10 times the UV-A output of conventional HID inspection lamps — steady-state UV-A intensity of 50,000  $\mu\text{W}/\text{cm}^2$  at 15 inches
- Works even in direct sunlight
- Integral bulb/reflector assembly
- Instant on/off/restrike
- Lightweight, solid-state ballast
- Pre-focused at the factory
- Virtually no emission of hazardous UV-B at 15 inches
- Less visible light output than competitive UV lamps
- Impervious to magnetic fields
- Environmentally friendly
- Stay-cool, impact-resistant and dent-proof housing
- Ergonomic design for fatigue-free handling

# Spectroline® Maxima™ 3500 ultra-high intensity UV-A lamp!

## POWERFUL! SAFE! EASY TO USE!

### Optimal efficiency

The Maxima 3500 lamp's micro discharge light (MDL) technology produces a steady-state UV-A intensity of 50,000  $\mu\text{W}/\text{cm}^2$  at 15" (38cm) — *up to 10 times* the output of conventional HID inspection lamps. The ultra-high intensity of the Maxima 3500 lamp exposes even the smallest defects, cracks, flaws and leaks that previously evaded detection until they become major problems. As a result, inspections performed with Maxima 3500 are more comprehensive and accurate.

### Safe handling

The Maxima 3500 lamp never gets hot. A special engineering polymer is used to make the lamp's housing and the contoured handle. In addition, the handle is positioned away from the housing. This allows the entire lamp to remain cool during use to protect against accidental burn injury.

### Integral bulb/reflector assembly

When replacing the bulb or filter in competitors' lamps, exposed wiring can be a serious shock hazard due to residual current. To eliminate this risk, the Maxima 3500 lamp's bulb/reflector assembly is designed as a single integral unit with "unexposed" circuitry. The unique design also makes bulb replacement easy (a new bulb/reflector assembly can be installed with just a  $\frac{1}{4}$  turn). This helps maintain the original output level by providing the benefit of a new reflector whenever the bulb is replaced.

### Unique diffusing filter available

Due to the ultra-high UV-A intensity of the Maxima 3500 lamp, UV fade of fluorescent penetrants will occur within the "hot spot" of the beam after prolonged exposure. The 2F350 diffusing filter, available as an accessory, will effectively diffuse the hot spot over a broader area and will significantly lengthen the time before UV fade occurs.

### Prefocused bulb

The bulb/reflector used in the Maxima 3500 is prefocused at the factory to ensure peak performance. This prevents the loss of output power that may occur due to incorrect, off-center bulb installation during bulb replacement.

### Resistant to magnetic field

Interference from magnetic fields can shut off conventional HID lamps, causing frustrating warm-up delays before restart. The Maxima 3500 lamp is not affected by magnetic fields and thus offers the advantage of continuous, uninterrupted inspection process.

### Virtually *no* emission of hazardous UV-B

The Maxima 3500 emits virtually no emission of hazardous UV-B light, unlike competitive units which have substantial UV-B light emission.

### Instant on/off/restrike

The Maxima 3500 lamp's solid-state ballast offers "instant on" capability. This eliminates waiting for warm up and saves valuable time. The ballast also protects against voltage fluctuations that can affect the lamp's performance.

### Environmentally friendly

The state-of-the-art MDL bulb used in the Maxima 3500 contains *less than 3%* of the amount of hazardous mercury found in standard High Intensity Discharge (HID) bulbs.

### Super rugged and shock resistant

The lamp head and housing are constructed of a tough engineering polymer to protect against dents, cracks and scratches. To reduce shock hazard, the Maxima 3500 comes equipped with a 5-wire secondary cord and fully enclosed ballast.

### Lightweight, portable, ergonomic design

The lamp head measures only 7.5 inches (19 cm) long and weighs just 2.5 lbs (1.1 kg). The entire unit, including the ballast, weighs 6.1 lbs (2.8 kg). The power cord exits directly from the bottom of the contoured pistol-grip handle, resulting in better balance. An on/off switch is conveniently positioned on the handle. The primary and secondary cords are both 8-feet (2.5 m) long.

### Easy maintenance

Flexible, silicone-rubber filter holder can be removed easily without tools for bulb/reflector or filter replacement.

**FREE UV-absorbing glasses** are included with every lamp.

**Parts and service readily available.**

Specifications	
Steady-state UV-A intensity	50,000 $\mu\text{W}/\text{cm}^2$ at 15" (for NDT) 100,000 $\mu\text{W}/\text{cm}^2$ at 6" (for curing)
Output power	35 watts
Total weight	6.1 lbs (2.8 kg)
Lamp head:	2.5 lbs (1.1 kg)
Ballast:	3.6 lbs (1.6 kg)
Cord length	8 ft (2.4 m) primary, 8 ft secondary
Ballast type	solid state
Bulb type	micro discharge light (MDL)

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