

EV6500

Hand-Held Dual-Light LED UV Lamp

The EV6500 is a hand-held, portable LED UV lamp with built-in white light LEDs for non-destructive testing applications like fluorescent penetrant testing and fluorescent magnetic particle inspections.

Designed with broad-beam profile for in-line and hand-held use, the EV6500 will decrease inspection time by improving indication visibility with 7,000 $\mu\text{W}/\text{cm}^2$ high intensity UV-A illumination and the widest coverage area in its class.

To improve NDT inspection flexibility, the EV6500 has easy-on white light LEDs for visible flaw location, eliminating the need for a separate flashlight. The white light LEDs provide a large, concentrated flood of visible light of over 150 ft-candles.

BENEFITS

Minimizes time to inspect parts with wide, intense UV beam

- Speeds up inspection time with the widest, most even beam on the market
- Indications are clearly visible even at the edge of the 10 inch / 25 cm beam, thanks to the high intensity LEDs

Improves visibility & versatility with built-in white light LEDs

- Eliminates the need for a separate flashlight for visible spot checking with built-in LED white light function
- See clearly without fumbling in the dark or having to turn on an overhead light with the 16 inch / 41 cm beam of bright white light



Handheld UV lamps manufactured with green handles before July 2022 and black handles after July 2022.

Increases real-world reliability with NDT-focused engineering and dependable construction

- Reduces on-the-job downtime with dependable, reinforced construction
- Fully sealed housing will stand up to the elements, along with a fan-less cooling system and non-clouding lens for reliable, consistent inspections
- Fully sealed IP65 rated housing will stand up to the elements

FEATURES

- 10 in / 25 cm wide, uniform beam
- No hot-spots in the beam profile
- Built-in LED white light
- Single push-button operation for UV and white light
- Rugged, durable design
- No internal fan
- Low energy consumption
- Improved operator and environmental safety

SPECIFICATION COMPLIANCE

- API 6A
- API 1104
- ASTM E709
- ASTM F601
- AWS D1.1
- ISO 9934

USE RECOMMENDATIONS

NDT Method	Fluorescent Penetrant Testing and Fluorescent Magnetic Particle Inspection
Recommended Accessories	UVM3059 Digital Light Meter Visible Light Meter UV Absorbing Safety Glasses

PRODUCT PROPERTIES

Light Sources	5 UV LEDs 4 White LEDs
Light Filter	Clear filter
Peak Wavelength	365 ±5 nm
Max UV Intensity	7,000 μW/cm ²
UV Light Coverage*	10 in / 25 cm diameter circular spot
Visible Light in UV Mode	< 1 ft-candle / 10 lux
Visible Light in Visible Mode	150 ft-candles / 1,600 lux
Visible Light Coverage*	16 in / 41 cm diameter circular spot
Working Distance	< 5 in / 13 cm
Stabilization Time	5 minutes at ambient conditions
Lamp Cord Length	17 ft / 5.18 m
Power Supply Cord Length	9 ft / 2.75 m
Weight, Lamp	2.8 lb / 1.3 kg
Weight, Power Supply	1.4 lb / 0.6 kg
Power In	100-240 VAC / 50-60 Hz / < 1 A

* At 15 in / 38 cm

PART NUMBERS

Series	Part Number	What's Different?	
		Electrical Plug	Ideal Markets
EV6500	626803	North American Type B	North America
	629677	European Type F & UK Type G Adapter	Europe, UK & Middle East