

ZUV- 6

Product Data Sheet



Hand-Held UV LED Lamp

ZUV-6 Handheld Lamp is designed to be 100% free from UV-B and the LEDs emit almost no visible light. It is compliant with ASTM UV-A intensity and wavelength specifications for LPT & MPT. Is built with mechanical cooling design, ZUV-6 is approved to be dust and water resistant.

This handheld lamp can be used for inspection any part or intricate surfaces of parts. This lamp gives a maximum intensity of 5000 Microwatts/Sqcm & It is widely used in NDT inspection booths, fluorescent penetrant and magnetic particle inspection, screening of fluorescent particles, wash station & inspection and so on.

Each unit is shipped with a manufacturer's certificate of conformance which meets or exceeds all current specifications for use with fluorescent liquid penetrant and magnetic particle testing.

Salient Features

- Ergonomically Designed Robust Housing
- Instant ON/OFF, No warm-up time for full intensity
- Mechanical passive Cooling system
- UV-A Pass Filter
- Low Energy Consumption

Maximize range of inspections

- Use for virtually any fluorescent penetrant or mag particle inspection
- Inspect a wide range of components, including aerospace parts, without worry

Increases real-world reliability

- Reduces on-the-job downtime with dependable, reinforced construction





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Technical Specifications

- Coverage area of 6 inches, with a maximum of 3000 Microwatts/cm² at 15" inches (38 Cm)
- The heat generated from the LED's is dissipated via a mechanical cooling system, no fans necessary
- Reflectors to ensure uniform UV light on the surface.
- Weight of the lamp is just 230 Grams
- ZUV-6 is integrated with 6 separate modules of LED, each module can be replaced separately.
- It meets ASTM E 144 requirements
- ZUV-6 is supplied in a Rugged carry case with 3 Mtrs long chord for easy movement to different inspection areas.

USE RECOMMENDATIONS

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|------------|---|
| NDT Method | Fluorescent Penetrant Testing and Mag Particle Inspection |
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SPECIFICATION COMPLIANCE

Penetrant Testing Specifications:

- ✓ ASME BPVC
- ✓ ASTM E165

Magnetic Particle Testing Specifications:

- ✓ ASTM E1444



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