

# ZUV-4

## Product Data Sheet

### UV LED Battery Operated



ZUV-4 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-4 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 7000 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.

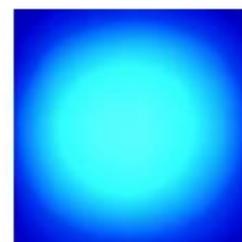
Each unit is shipped with a manufacturer's certificate of conformance which meets or exceeds all current specifications for use with fluorescent liquid penetrant and magnetic particle testing.

### Salient Features

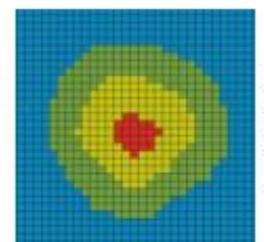
- Ergonomically Designed Robust Housing
- Instant ON/OFF, No warm-up time for full intensity
- Mechanical passive Cooling system
- UV-A Pass Filter
- Switchable between UV & White Light
- Rechargeable Li-ion Battery

### Beam Irradiance Pattern & Profile

- Blue <math><200 \mu\text{W}/\text{cm}^2</math>
- Green 200 - 1000  $\mu\text{W}/\text{cm}^2$
- Yellow 1000 - 5000  $\mu\text{W}/\text{cm}^2$
- Red 5000 - 10000  $\mu\text{W}/\text{cm}^2$
- White > 10000  $\mu\text{W}/\text{cm}^2$



4 - LED Array at 15"



AUL 150



## Technical Specifications

- Light Source – 4 UV-A LED
- UV-A 365 Intensity :  $\geq 8,000 \mu\text{W}/\text{cm}^2$  at a distance of 15"
- White Light Emission [ Lux ( 0.92 fc )]:  $4 \geq 10$
- Beam Coverage area :  $\geq \Phi 200 \text{ mm}$
- Power Requirements : 90-270V AC/ battery operated
- Run Time : 3-4 Hours
- Charge Time : 2 Hours
- Housing Material : Anodized Aluminium
- Housing Dimension (mm) : 220 X  $\Phi$  110 (LXD)
- Weight :

## USE RECOMMENDATIONS

NDT Method	Fluorescent Penetrant Testing and Magnetic Particle Inspection
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## SPECIFICATION COMPLIANCE

### Penetrant Testing Specifications:

- ✓ ASME BPVC
- ✓ ASTM E165

### Magnetic Particle Testing Specifications:

- ✓ ASTM E1444

## KIT CONTAINS

- LED UV Lamp
- Neck Strap
- Battery Charger with Powder Cord (in Battery Models)
- Operation Manual & Certificate of Conformity
- External Batteries in EB Model
- Soft Carry Case

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