



UV LED Flood Lamp System

This UV LED Super Flood Light system **ZUV-20/ZUV-30 & ZUV-48** Models are designed to illuminate a larger area of inspection with much higher UV- A intensity of nearly 6000 to 8000 mW/Cm.sq. This can lamp can be used in both washing and Inspection in a FPI system and can be used by means of height adjustable fixture on the MPI Bench Unit

This Flood lamp can be used for inspection any part or intricate surfaces of parts. This lamp gives a maximum intensity of 8000Microwatts/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

- [Inspect more of the part at once](#) thanks to the ultra-wide beam
- Eliminate additional steps and equipment involved with using a secondary hand-held inspection lamp

Increases real-world reliability

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

Technical Specifications

- Coverage area of 6 inches, with a maximum of 6000-8000 Microwatts/cm² at 15" inches (38 Cm)
- The heat generated from the LED's is dissipated via a mechanical cooling system, no fans necessary
- Wavelength – 365 nm
- Heat Dissipation – Natural Air Cooled
- Power Supply – AC 240V : 50-60 Hz
- Weight -
- Reflectors to ensure uniform UV light on the surface.
- It meets ASTM E 144 requirements
- ZUV-20 is supplied in a Rugged carry case with 3 Mtrs long chord for easy movement to different inspection areas.

USE RECOMMENDATIONS

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