

DecaStar UV365

Part#: MP103-4

Intelligent Illumination Labs, an innovator in lighting solutions for Non-Destructive Testing; understands the short comings of inspection lighting for Magnetic Particle Testing and Fluorescent Penetrant Testing. **This unit is not a flashlight!!**

Most conventional inspection lighting fixtures have many draw backs, Veiling glare, broad spectrum UV light, excessive heat, and white light production. Most outdated designs require loud, power consuming fans that produce **Fuzz Oil Goo**, that cause frequent failures, and are required for the lights to operate!. There can be safety issues: mercury, UV B, UV C. Power consuming bulbs are not desirable.

The DecaStar UV365 is a superior product that economically eliminates these concerns:

- **"Multi-Path Light"** design eliminates veiling glare
- Reduces eye fatigue.
- Silent operation, no fans. (No Fuzz Oil Goo)
- Green, energy efficient LED lighting.

Easy to use:

- Only 2.3 pounds. (1.04 kg.) and 12" (305 mm) long.
- Rugged lightweight metal housing..
- Can be used by handle or mounted bracket
- It will mount with a ½" pin to swing arm.
- Comes with a 6ft cord

Meets Specifications:

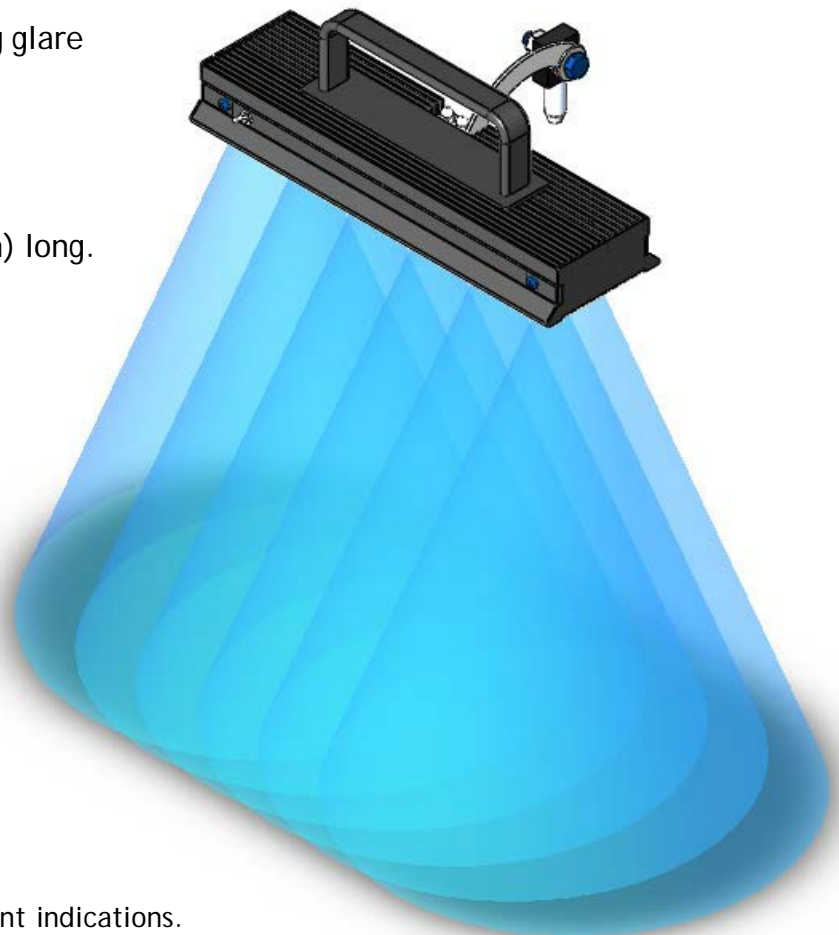
- ASTM E 3022-15 (Type A) W/UV-A Filters
 - ASTM E-1444-16
 - ASTM E-709-16
 - Rolls-Royce RRES 90061
- ISO 3059
 - Boeing MFT0398 Version E
- Certificate of Conformance included.

Bonus!

- 1 year warranty
- 1 free pair of UV Glasses.
 - > Can be worn over operators glasses.
 - > Increases detection of yellow-green fluorescent indications.
 - > Protects the eyes from UV-A light.

Available Options:

- Swing Arm Assembly
- Adj. Light control available
- 6' cord extender



The DecaStar UV365 is an industrial inspection lamp that produces UV and white light for both liquid penetrant and magnetic particle inspection. DecaStar meets the ASTM's lighting specifications for Magnetic and Penetrant inspection.

Improved UV-A Technology (Maximum output @ 15" 4,000.)

- Minimum 2,500+ $\mu\text{w}/\text{cm}^2$ of UV-A across a 4" x 8" area at a distance of 15".
- Minimum 1,200+ $\mu\text{w}/\text{cm}^2$ of UV-A across a 9" x 14" area at a distance of 15".
- UV LEDs produce less than 5 lux of visible light at MaxWD.
- Does not produce UV-B, UV-C, or visible light bands.
- No fans, veiling glare or mercury. Minimal white light.
- Reaches peak output in milliseconds - No warm up delay.
- 6 UV LED's and 5 white light LED's.

Improved Functional Design

- Also meets the specifications for white light inspection.
- Temperature stable without cooling fans.
- Built in over temperature shut down.
- Mounts to existing standard swing arm mounts.
- Full metal construction for durability.
- Acrylic splash guard.
- Energy Efficient - Uses 14 watts of power.
- Mercury free in compliance with the EPA 2013 & Mercury Export Ban Act of 2008.
- White Light LEDs produces , >750 fc of 4,000k @ 15".
- LEDs have a 23,000 hours source life TL70.

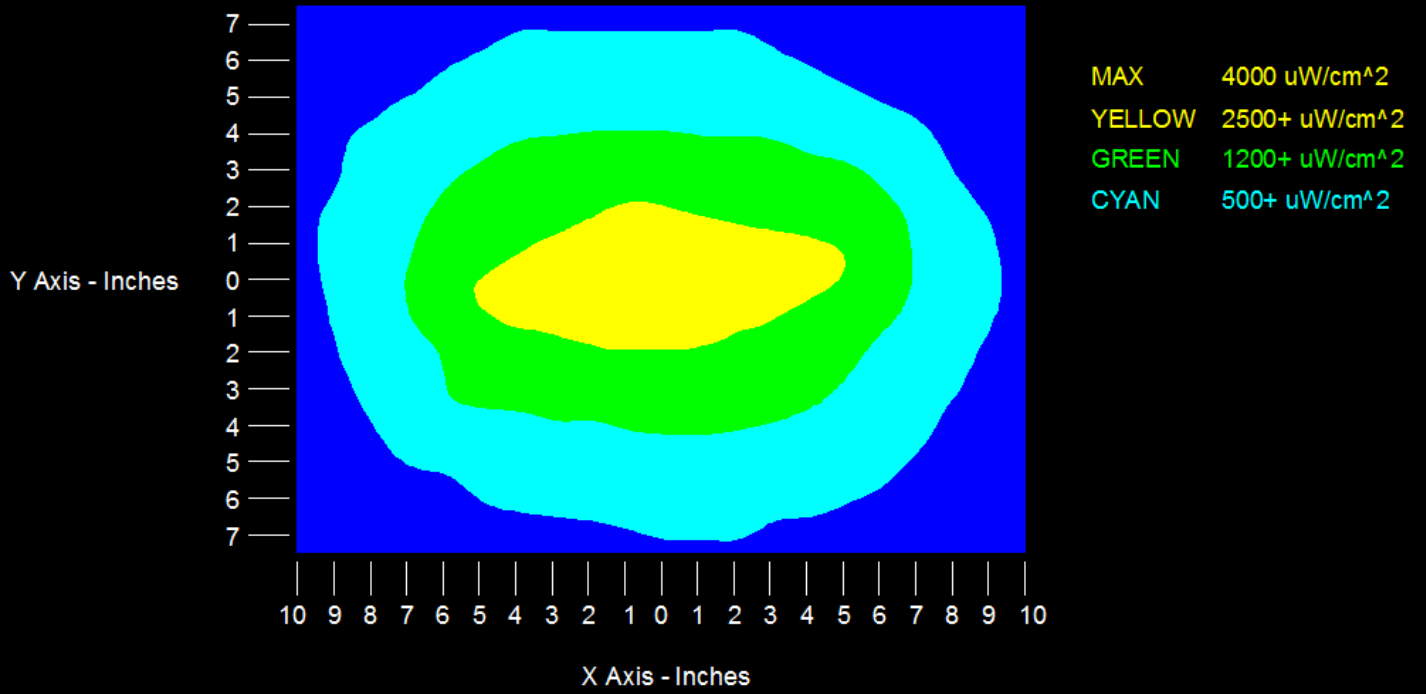
Power Supply:

A highly reliable Class II North American wall mount package single output medical grade power adapter.

- Universal AC input / Full range 80-264 VAC.
- Medical safety approved (2 x MOPP between primary and secondary).
- High Efficiency Operation up to 88%.
- High operating temp. up to +60° C.
- Low Leakage Current of <50uA.
- No load power consumption <0.1W.
- Level VI energy efficient.
- EISA 2007/DoE and NRCAN compliant.
- Protections: Short circuit / Overload / Over voltage.
- Fully enclosed plastic case with LED indicator for power on.
- Approvals: UL / CUL / TUV / FCC / CE.
- 100% full load burn-in test.
- 3 year warranty on power supply.



TOP INTENSITY PROFILE AT 15 IN (38 CM)



WHITE PAPER PATTERN AT 15 IN (38 CM)

