



## Intelligent illumination labs

# UV-A 365nm 12" NDT Super Pen-Rinse Light

Intelligent Illumination Labs, an innovator in lighting solutions for Non-Destructive Testing, and understands the short comings of inspection lighting for Fluorescent Penetrant Testing and Magnetic Particle Testing.

- Improved UV-A Technology
  - **LEDs produces light between 360-370nm.**
  - Does not overlap the UV-B and Visible light bands.
  - Overlapping beams create uniform coverage and eliminate veiling glare
  - LEDs produce <1 foot-candles of White Light at 48".
  - **Peak of 300+  $\mu\text{W}/\text{cm}^2$  of UV-A across a 36" x 36" area at a 48" distance**
  - Reaches peak output in milliseconds - No warm up delay
- Improved Functional Design
  - Temperature stable without cooling fans (No Fuzz Oil Goo)
  - Mounts with built in angle brackets, or added eye bolts.
  - Acrylic splash guard
  - Uses only 12 watts of power.
  - Mercury free
- Bonus! - One free pair yellow tinted safety glasses
  - Increases detection of yellow-green fluorescent indications
  - Protects the eyes from UV-A radiation

Conventional fluorescent inspection lighting fixtures have many draw backs.

- Filters
- Wide spectrum UV-A light.
- Veiling glare, Excessive White light.

There are so many recommendations to follow for wash stations:

- ASTM E1417: Black light intensity : More than 100  $\mu\text{W}/\text{cm}^2$  at 48"
- ASTM E1417 : Will not exceed 2 foot candles of White Light.
- ASTM E1417 : Mercury Vapor B/L bulbs must warm up for >5 minutes.
- ISO 3059 : Black light intensity : More than 300  $\mu\text{W}/\text{cm}^2$  at 48"

