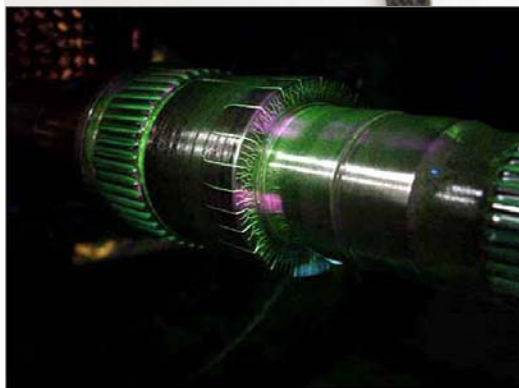




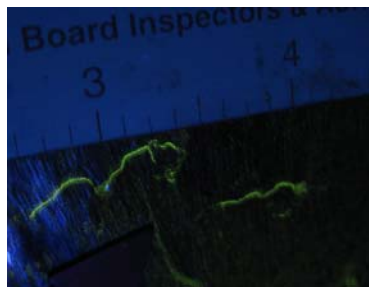
## High-flux 365nm Ultraviolet LED Inspection Light

### FEATURES:

- New! Increased output using latest emitter.
- Pocket-sized true blacklight Alternate Light Source.
- Nichia high flux emitter with special lens (not a reflector!).
- Output power density  $>2000\mu\text{W}/\text{cm}^2$  at 15" (38cm).
- Beam diameter is 6" (at 15" working distance).
- Current-regulated drive circuit maximizes output performance.
- Black anodized aluminum body.
- Glass lens.
- Uses two CR123A lithium cells.
- Or, also supports one 18650 cell.
- Click on/off rubber tailcap switch.
- Momentary-on also possibly with tailcap switch.
- Useful battery life typically 6 hours (primary cells)
- Supports Lithium and rechargeable lithium batteries.
- 5.25 inches long.
- LED Lifetime 10,000 hours.
- Beam angle 10 degrees with no hot-spots or rings.
- Output power 325mW at 365nm peak.
- Lanyard provided.
- Shows dust and contaminants unlike any other light this size!
- Unbeatable for currency and document examination.
- Kit available with custom case and yellow viewing glasses.
- **NOTE: Available with smooth 30 degree beam for forensic photography.**



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NDT inspection images from customers.



### PART NUMBER

XeLED-Ni1UV-R3-365B-SS

XeLED-Ni1UV-R3-365B-M

### DESCRIPTION

365nm flashlight for NDI/NDT  
 (2\*CR123A batteries, included)

365nm flashlight for Forensics  
 (2\*CR123A batteries, included)

Assembled in Texas

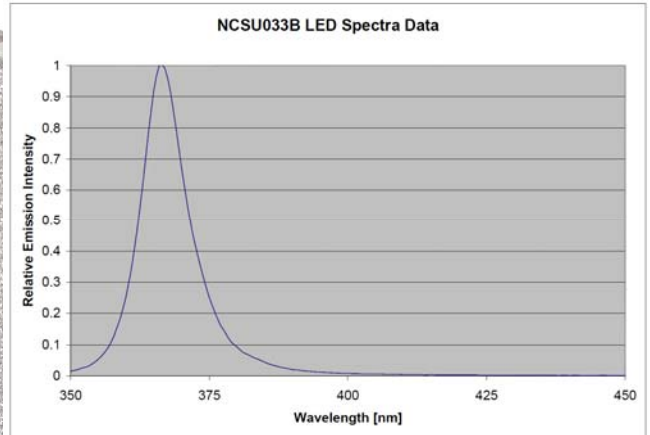




# High-flux 365nm Ultraviolet LED Inspection Light



Handprint on wall under normal light (upper) and 365nm+some ambient (lower). Handprint is not treated with any enhancing chemical; fluorescing substance likely organic in origin. The 365nm light can be used at a crime scene to localize where print lifting efforts could be exercised. Photograph taken with no filter. Removal of ambient light significantly enhances observed fluorescence.



Spectra shows true 365nm UVA emission!



Living gecko under normal illumination (above) and demonstrating skeletal fluorescence under 365nm illumination (below).



License security feature. In order: Normal light; competitor's "UV" light; competitor's "385nm UV light"; and finally the Ni1UV 365nm light. (Ni1UV light source at 12 inches from subject.). UV images at same exposure, no filter used.

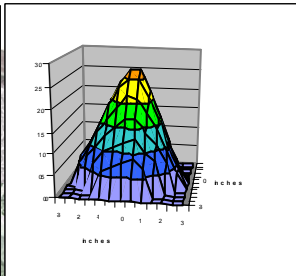
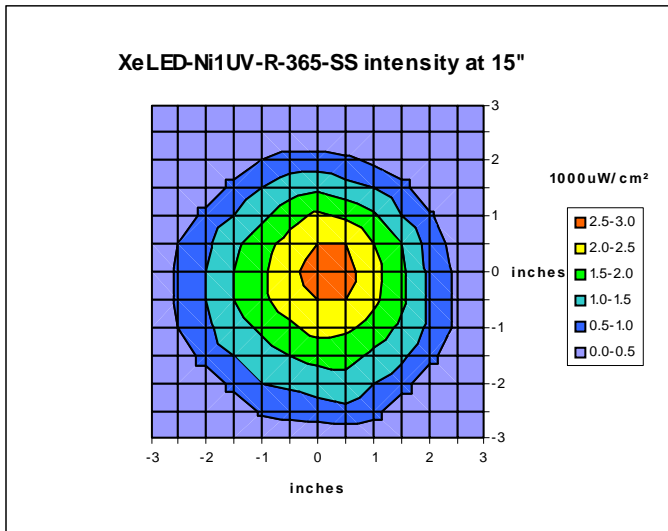
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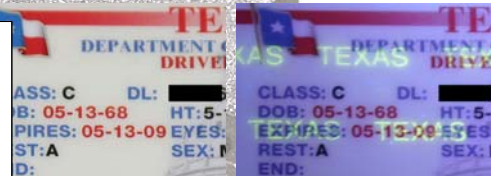
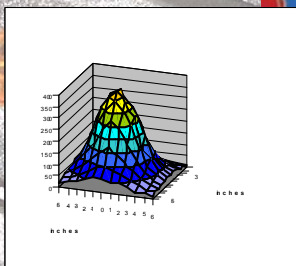
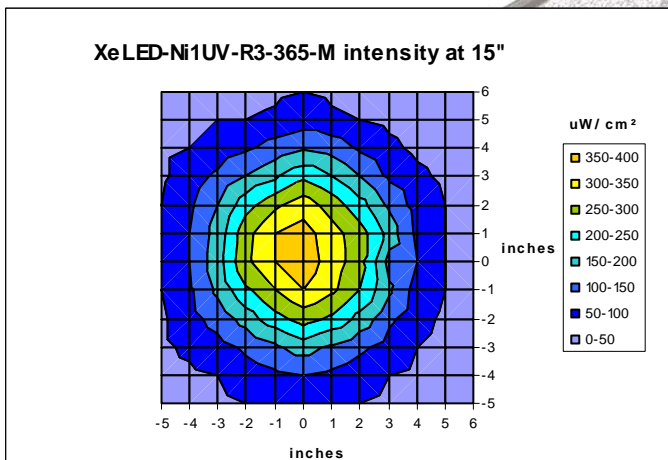
**CAUTION: Device emits intense UV radiation:  
 Do not look directly at beam.**



# High-flux 365nm Ultraviolet LED Inspection Light



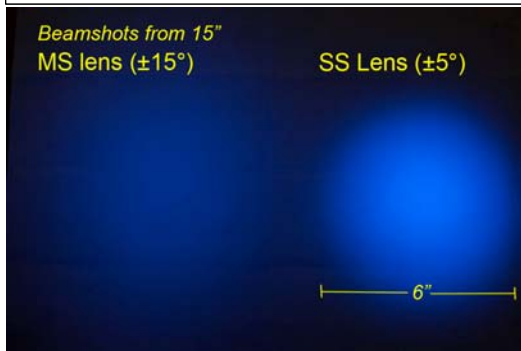
Currency viewed under 365nm. Note stripe on \$100 bill shows up correctly red.



Security markings on drivers license.



Diamond fluorescence under 365nm.



## INSTRUCTIONS FOR USE:

- Lithium, or rechargeable lithium cells supported:
- 2xCR123A (included) —or— 2xRCR123A —or— 1x18650 3.7V rechargeable.
- Batteries install **positive first** from rear of flashlight.
- Do not unscrew head.
- Do not mix battery types.
- Rechargeable option: Red LED on charger indicates charging; Green LED charge complete.
- Use caution to avoid direct exposure to eye.
- Keep out of reach of children — not a toy.
- Not a toy — keep out of reach of children!



**CAUTION: Device emits intense UV radiation: Do not look directly at beam.**

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## High-flux 365nm Ultraviolet LED Inspection Light Rechargeable options



Rechargeable option with USA plug.



Rechargeable option with European plug.



Rechargeable option with 12V cigarette lighter adapter plus USA plug.

### INSTRUCTIONS FOR RECHARGEABLE OPTION:

- Charge only rechargeable Lithium Ion cells.
- Do not recharge primary (non-rechargeable) cells.
- Cell size is 18650.
- 18650 cell installs **positive first** from rear of flashlight.
- Observe correct polarity in charger.
- Red LED indicates charging; Green LED charge complete.

