



**Ultraviolet Light Safety**      **TECHNICAL BULLETIN**

**Bulletin Number:** 59

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**Date:** r e v 03/13/2020

**Classification:** UVA LIGHT SAFETY

**Product Family:** UV LIGHTS

**Subject:** Ultraviolet lamps



Littlite UV models emit ultraviolet light in the UVA or “near UV” range which is just below visible light wavelengths - specifically from 395 to 365 nm. UVA Near Ultraviolet light, although the safest UV range, has the potential to irritate or injure eyes and skin with long term or direct, close exposure. UVB and UVC require more strict safety measures.

Occasional short-term use for inspection or viewing of UV reactive subjects is generally not harmful **BUT:**

UV LEDs emit intense UV light during operation. The eye does not sense this energy and does not react to protect itself.

Do not look directly into a UV LED while it is in operation as it can be harmful to the eyes.

1. Setup for operation should restrict the user from directly viewing the LED emitter.
2. If it is necessary to view a UV LED directly, wear suitable UV filtered glasses or goggles to avoid damage to the eyes.
3. Keep UV LEDs and products containing them out of the reach of children.
4. Avoid prolonged exposure of skin or other tissue.
5. Take appropriate precautions, including those above, with pets or other living organisms that might suffer injury or damage from exposure to UV emission.

Littlite provides customized products for professional use. It is the responsibility of the distributor and user to specify the lamp and design their installation with user's safety in mind, and to inform the user of proper and safe use.

Littlite/CAE, Inc. expects users of our products to take reasonable care as required with any high intensity light source and we accept no responsibility for any injury arising from improper or careless use

### **References for UV safety**

<http://www.icnirp.org/cms/upload/publications/ICNIRPUV2004.pdf>:

(CENELEC) <https://standards.globalspec.com/std/14368254/en-60825-1>

<https://www.digikey.com/en/articles/ultraviolet-radiation-attributes-and-benefits>