

Exposure limits for UV light

Product No 23050, 23060

Depending on specific application there may be operator exposure to UV light. The manual does not have any warnings on UV exposure but the TLV for the spectral region of these lamps is that the total irradiance incident upon the unprotected skin or eyes should not exceed and intensity of $1\text{mW}/\text{cm}^2$ for periods greater than 17 minutes.

Blak-Ray® Lamps deliver high intensity long-wave (365nm) ultraviolet light. Product No 23050 with 100 watt lamp has an intensity of $21.7\text{mW}/\text{cm}^2$ at 5cm and $8.9\text{mW}/\text{cm}^2$ at 25cm distance. Product No 23060 with two 15 W lamps has an intensity of $1.6\text{mW}/\text{cm}^2$ at 15cm. Depending on how the lamp is used including distance, reflective surfaces, exposure time, etc. this TLV could be exceeded. If there is any potential for the eyes and face exposure to exceed the above stated exposure to UV radiation, a polycarbonate face shield that complies with the ANSI Z87.1-2003 UV certification must be worn to protect the eyes and face (see Product No. 19837, Face Shield). Ordinary prescription eyeglasses may not block UV radiation. UV certified goggles and safety glasses will protect the eyes but not the operator's skin.