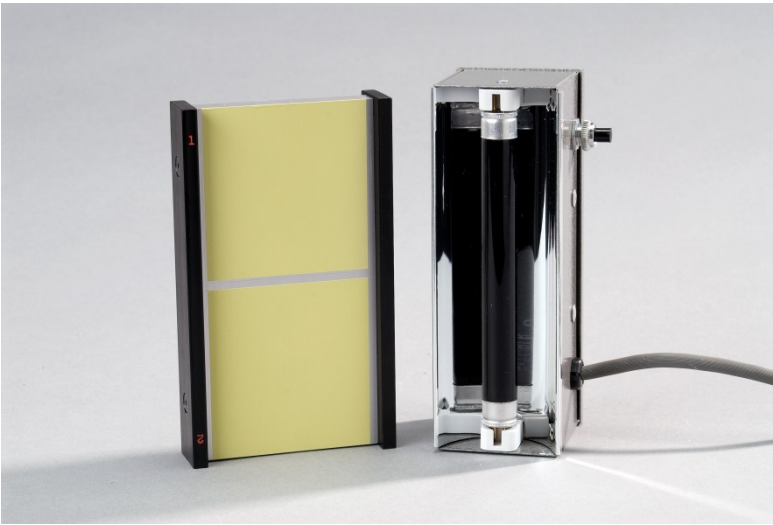


22UV, 22UVA, 22UVA-CE User Information



Macken Instruments, Inc.

Ultraviolet Lamps for Thermal Image Plates



The 22UV-(110V), 22UVA-(220V) and 22UVA-CE (220V CE Marked) Model Ultraviolet Lamps utilize a low-pressure mercury fluorescent bulb with a UV phosphor and blue tinted glass to suppress visible emission.

The bulb type is F4T5 BLB Black Light with an input power of 4 Watts. The output light falls within a spectral range between 320 and 420 nm with a peak of 360 nm. This is commonly known as “long wavelength” ultraviolet light. The intensity does not exceed $5\text{mW}/\text{cm}^2$.

SAFETY CONSIDERATIONS

The ultraviolet light output is approximately 1/3 Watt peak emission at 370 nanometers. More than 90% of the ultraviolet emission is between 340 and 390 nanometers. None of the ultraviolet light occurs at a wavelength shorter than 300 nanometers. The ultraviolet light output of this lamp is at a power density and special content which is considered safe when used for the intended purpose of illuminating laser imaging plates and probes.

Users should avoid prolonged direct eye exposure to UV light as a precaution. Always observe safety precautions, such as wearing eye protection when using the laser.

BULB REPLACEMENT

Macken Instruments carries the 6” replacement UV bulbs as item 22UVRB.