

The iTeraCare Classic appearance value...



The iTeraCare Classic blue light has been tested on a spectrometer by a friend of mine.

A spectrometer is a scientific instrument used to separate and measure spectral components of a physical phenomenon. The spectrometer is a broad term often used to describe instruments that measure a continuous variable of a phenomenon where the spectral components are somehow mixed.

The blue light in the iTeraCare Classic is 405 nanometers in wavelength and has tremendous healing properties all by itself!

What is 405 nm light?

Conclusion: **Violet-blue light**, particularly 405 nm light, has significant antimicrobial properties against a wide range of bacterial and fungal pathogens and, although germicidal efficacy is lower than UV light, this limitation is offset by its facility for safe, continuous use in occupied environments.

Antimicrobial LED is measured at wavelengths of **380-750 nm**, which is outside the UV light spectrum. Vyv's LED technology is specifically engineered to produce an abundance of light in the 400-420 nm range. This light range has been shown to both kill and prevents the growth of bacteria, fungi, yeast, mold, and mildew.

Some of the most commercially common blue lasers are the diode lasers used in Blu-ray applications which emit 405 nm **"violet" light**, which is a short enough wavelength to cause fluorescence in some chemicals, in the same way as radiation further into the ultraviolet ("black light") does.

405-nanometer wavelengths **do not pose a risk to humans** and these lights are safe to run with humans around. UVC light significantly degrades the quality of many different types of materials, such as plastics, making them brittle or yellow and subject to cracking and failure. 405 nm light does not degrade materials

This blue light is beneficial to the facial skin for appearance value helping clear skin blemishes and wrinkles including crow's feet.

The crystal tube enhances the blue light and picks up the terahertz projecting the terahertz out of the tube.

The 405 nm is on the edge in far-infrared frequency.