

The specificity of the usage of pulsed xenon UV irradiators for disinfection of air and rooms

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Analysis of UV disinfection technologies of air and rooms showed that there is a tendency to UV irradiator with high average power (1–2 kW). The effectiveness of disinfection with a pulsed xenon source is completely determined by the classical mechanism of disinfection and the resulting UV dose. As a base valui, it is revommended to take a dose of 25 mJ/cm².

Keywords: UV radiation, disinfection, air, pulsed xenon lamp.

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