

Exposure to UVC

The National Institute for Occupational Safety and Health (NIOSH) recommends that the time of exposure to an intensity of 100 microwatts per square centimeter at wavelength 254 nanometers not exceed one minute; and based on the NIOSH recommendation, the maximum time to be exposed of 30 uW/cm2 should not exceed 200 seconds during an eight-hour period.

Using high speed photography, it was determined that the maximum UVC exposure, on a UV-Clean unit, obtained prior to the motion sensor triggering the bulb to turn off was 30 uW/cm2. Total exposure time never exceeded one second. Using data from a peer reviewed clinical study, over 42,034 records was analyzed. During that time 63% of cleaning cycles were interrupted. This resulted in 13.3 interruptions on average per eight-hour shift. Based on the exposure testing done, this would give 13.3 seconds of 30 uW/ cm2, resulting in just under seven percent of the maximum dosage recommendation set by the NIOSH for an eight-hour shift.

External Power Adaptor: UL 60950-1 (UL/cUL) – Electrical Certification USA / Canada



FCC - Electromagnetic interference from the device is under limits approved by the Federal Communications Commission



ROHS - Restriction of Hazardous Substances



UV-Clean SM, SA, CM and RF units:

Units are manufactured in a facility, under strict quality standards, with the following certifications:

ISO 9001 ISO 13485 IPC-610 Compliant

Units are currently being tested to:

IEC 61010 – International Safety requirements for electrical equipment CE - Conformity with health, safety, and environmental protection standards for products sold within the EU