

Colkim srl
Via Piemonte 50
40064 Ozzano Emilia (BO)
Italy

Date: July 2010

Object: Safety of workers in relation to UV light emitted by UV fly killers

To whom it may concern,

Following your inquiry on the possible danger to public health related to the use of UVA light in fly killers, we would like to point out several general facts to be taken into account:

- Research has shown that the optimum range for attracting flying insects is at around 345 to 370nm and this is the wavelength that is given out by the UVA fluorescent tubes in fly killers. The numerous scientists who have studied the possible danger to human beings all agree that it is harmless under normal conditions of use. Neither UVB, nor UVC tubes are used in UV fly killers.

- A specific European norm exists for UV fly killers, the EN 60335-2-59 (2003). PestWest fly killers are tested to European safety standards and this specifically includes the maximum safe levels of radiation permitted by the International Commission for Non Ionising Radiation Protection (ICNIRP). Any fly killer, which fails to meet the criteria, will not pass the test.

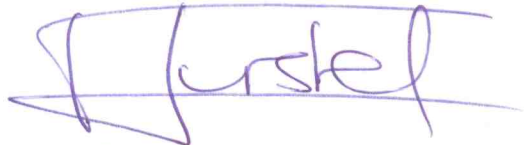
The total effective irradiance shall not exceed 1 mW / m² during an 8-hour period as defined in EN 60335-2-59 (2003). The same exposure limit is set by the new EN 62471. Therefore, as far as exposure to actinic UV hazard is concerned, PestWest UV fly killers can be considered as falling under the 'Exempt Group' according to EN 62471. A typical 30 Watt UV fly killer emits around 0.1 mW / m², which is significantly less than the maximum exposure limit set in EN 60335-2-59 (2003) and EN 62471.

- UVA fly killers are designed to provide the lowest maximum UVA output value possible consistent with efficient insect attraction. Their overall output is low and the exposure to UVA is far greater outdoors on an average sunny day.

- The output from the PestWest Quantum tubes lies slightly higher up the spectrum at around 365nm as opposed to 350nm for the BL350 Sylvania tube and other standard tubes. More of the UVA is concentrated around the peak wavelength, which means that the lamp is "brighter" where it matters most, i.e. less of the electrical energy is dissipated in producing light, which is of little interest in attracting flying insects. PestWest UV fly killers have been tested for their compliance to the European norms with the superior Quantum BL tubes fitted.

We trust that this information is sufficient, if you require additional information please do not hesitate to contact us.

Best regards,



Frederic Hurstel
European Business Director
PestWest Electronics Limited
www.pestwest.com

Manufacturing Address:
111 Wakefield Road, Ossett,
West Yorkshire, WF5 9AR, UK.
Tel: +44 (0) 1924 268450
Fax: +44 (0) 1924 261156

Registered Office:
Wakefield Road, Ossett,
West Yorkshire, WF5 9AJ, UK.
Registered No. 2203979 England
VAT No. GB 642 7124 53

Printed on recycled material



Certificate No. 8522