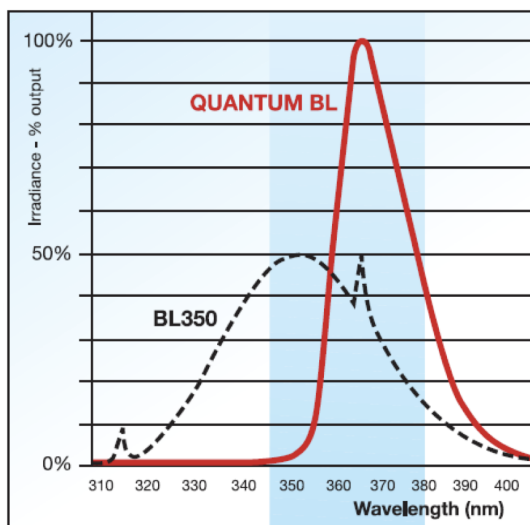


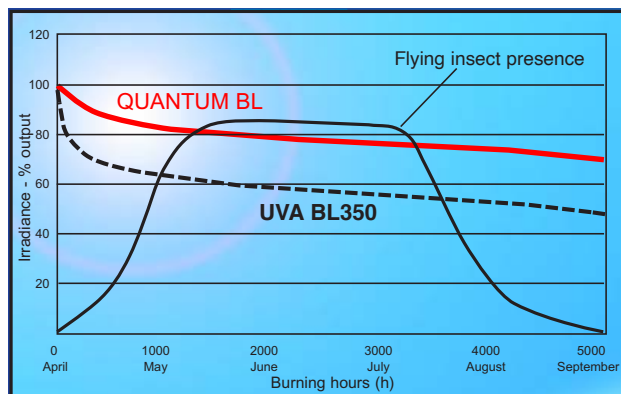
UVA Bulb Comparison Chart

Features	Quantum Bulbs	BL350 Bulbs
UV output	UVA to attract flying insects	UVA to attract flying insects
UVA Peak Wavelengths	365 nm*	350 nm
UVA output over-time**	Maintains > 60% after 4000-5000 hours	Drops < 60% after 2000 hours
Phosphor type	Water-based	Solvent-based
Contains Lead (Pb)	No	Yes
Contains Mercury (Hg)	Yes	Yes

PestWest collaborated on a 3 year research program at the University of Birmingham, UK. The study discovered that urban flying insect pests are specifically attracted to the wavelengths 340-380 nm. Further research discovered that House fly is most attracted and responsive to a wavelength of 365 nm. For optimum insect attraction, PestWest and Sylvania Lighting International co-developed and produced a new concept bulb, which became the exclusive Quantum brand.



* Power distribution curve of Quantum BL compared to standard 350BL ultra-violet lamps. The distribution of the UV light produced by the Quantum BL lamps matches closely the spectrum of sensitivity of the House fly.



** After 4000-5000 hours of use, Quantum output is significantly greater than BL350 output.