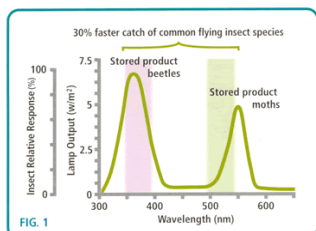


WHY SYNERGETIC UV TUBE?

Developed to be the most effective glue board fly killer on the market, the XP Premium Series with Synergetic UV light tube and its premium glue board fly killer is designed and filled with pheromone and adhesives on the glue board to catch and retain the flies in the equipment and it's capture results are significantly more flying insects compared to traditional glue board units with black lights.

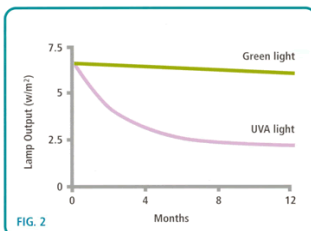


UVA-Green has two wavelength peaks attracting a broader range of flying insects.

Figure 1 (above) shows the two wave length peaks for UVA-Green light. Synergetic UV tubes tends to have a faster catch on flying insects.

The peak of the output of the Synergetic UV tubes lies at around 365nm. 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.

They are designed to be discreet and hygienic in their function of trapping flying insects. They are silent in operation and ideal for use in sensitive environments such as the commercial front of house areas, supermarkets, commercial kitchens and industrial food preparation zones.



Green light degrades much slower than UVA prolonging the lamp's effectiveness.

Figure 2 (above) shows the degradation of the UVA phosphor decreasing to output of 30% over 12 months and the green phosphor decreasing to output of 95% over the same period. (Based on tests by Synergetic UV Tubes and manufacturer's information.)

ABOUT SYNERGETIC™

IKAWA IK-TAC SERIES

Easily recognised by their glowing green light, Synergetic® tubes have been developed to attract a much wider range of flying insects than traditional blue UV lamps.

Based upon a unique phosphor mix, innovative technology ensures that a broader 'two peaks' wavelength is maintained (368nm and 540nm) attracting a wide range of insects including stored product moths, whilst attracting the common housefly as effectively as traditional blue UV bulbs, giving you the best of both UV technologies. Extensive testing has been carried out over many years by independent entomologists and test laboratories, showing the benefits of green light in combination with UVA wide diversity of insects were shown to be more attracted to Synergetic® light, including greenhouse whiteflies, Silverleaf whiteflies, thrips, leafhoppers, Indian meal moths, Mediterranean flour moths, tropical warehouse moths, warehouse moths, plus many more!

DID YOU KNOW?

Many insect pests of public health, stored product and agricultural importance have evolved visual pigments which allow them to perceive green light.

Recordings of electroretinograms in housefly eyes found peaks in both UV (340-365nm) and blue-green (450-550nm) with similar sensitivities found in other Diptera eg. Calliphora vicina Meig, Haematobia irritans L., Musca autumnalis De Geer, Stomoxys calcitrans L., Glossina morsitans morsitans, Westwood, and Fannia canicularis L., as well as the mosquito Aedes aegypti (323-345nm and 523nm). Several Tabanid species were also found to have a peak activity of 400-600nm.

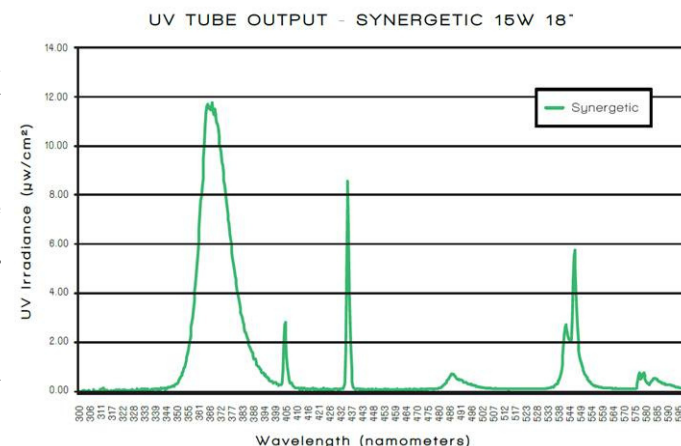
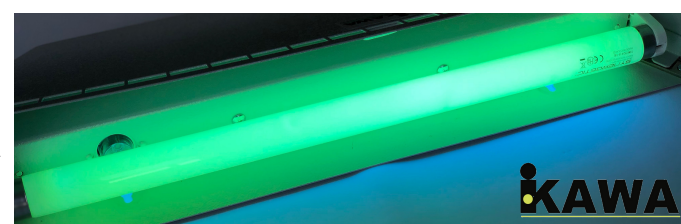


Figure 3: (above) Recordings of electroretinograms in housefly eyes found peaks in both UV (340-365nm) and blue-green (450-550nm)



Technical Specification:

Dimension	500mm x 153mm x 210 mm
UV Tube	1 pc x 15 watt Synergetic UV-A Tube
Coverage Area	Up to 40sqm
Energy Consumption	21 watts
Power Cable Length	1.8 meter
Weight	3.0kg
Adhesive Paper Size	355mm x 160mm
Finish	Powder Coated Steel
Color	White / Black

Stylish good looks, packed with higher-grade premium quality, features, ease of servicing and complete piece of mind.



Superior Technology for Increased Catch!