

Lumnia

Lighting the way
in fly control



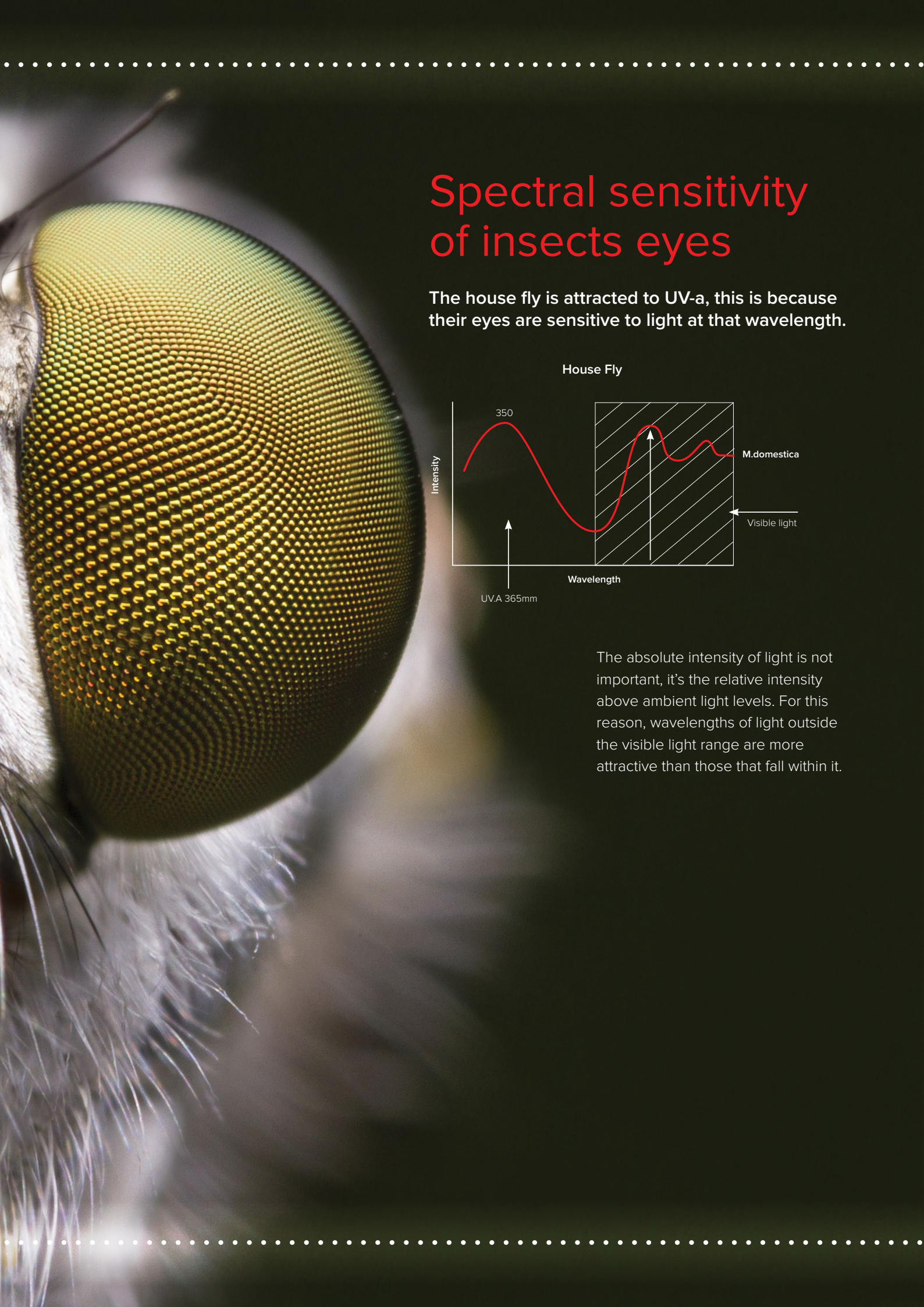
Rentokil

Your business needs fly control

There are over 120,000 species of flies worldwide. Flies are considered pests because they pose a health risk to humans, pets, livestock and goods. Flies infest homes and businesses and spread diseases such as Salmonella and E. Coli. A few species are also known to bite humans and animals.

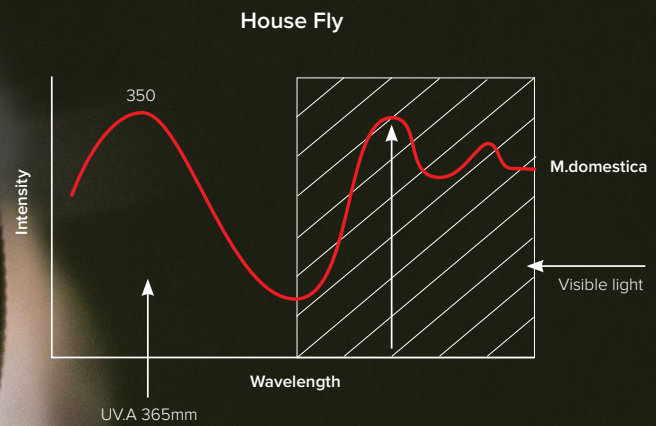
A small fly problem left uncontrolled has the potential to develop into a severe fly infestation in a matter of weeks as some fly species are able to mature from eggs to adults in just seven days. There are simple ways to identify a fly infestation in its early stages to reducing the need or extent of professional fly control services. Taking a proactive approach with deterrent measures will also go a long way in avoiding costly treatments. That's why Rentokil has developed the future on UV fly control traps.





Spectral sensitivity of insects eyes

The house fly is attracted to UV-a, this is because their eyes are sensitive to light at that wavelength.



The absolute intensity of light is not important, it's the relative intensity above ambient light levels. For this reason, wavelengths of light outside the visible light range are more attractive than those that fall within it.

Discreet, effective protection against contamination.

Most flies can transmit up to 200 different pathogens, causing significant risk to health and impact to businesses. Lumnia brings peace of mind through proven efficacy and performance.

Proven performance and catch rate

High attraction output LED lamps are optimised for a fly control catch rate that is proven best in class – the first LED unit that genuinely works.

Versatile, modern designs to suit your location

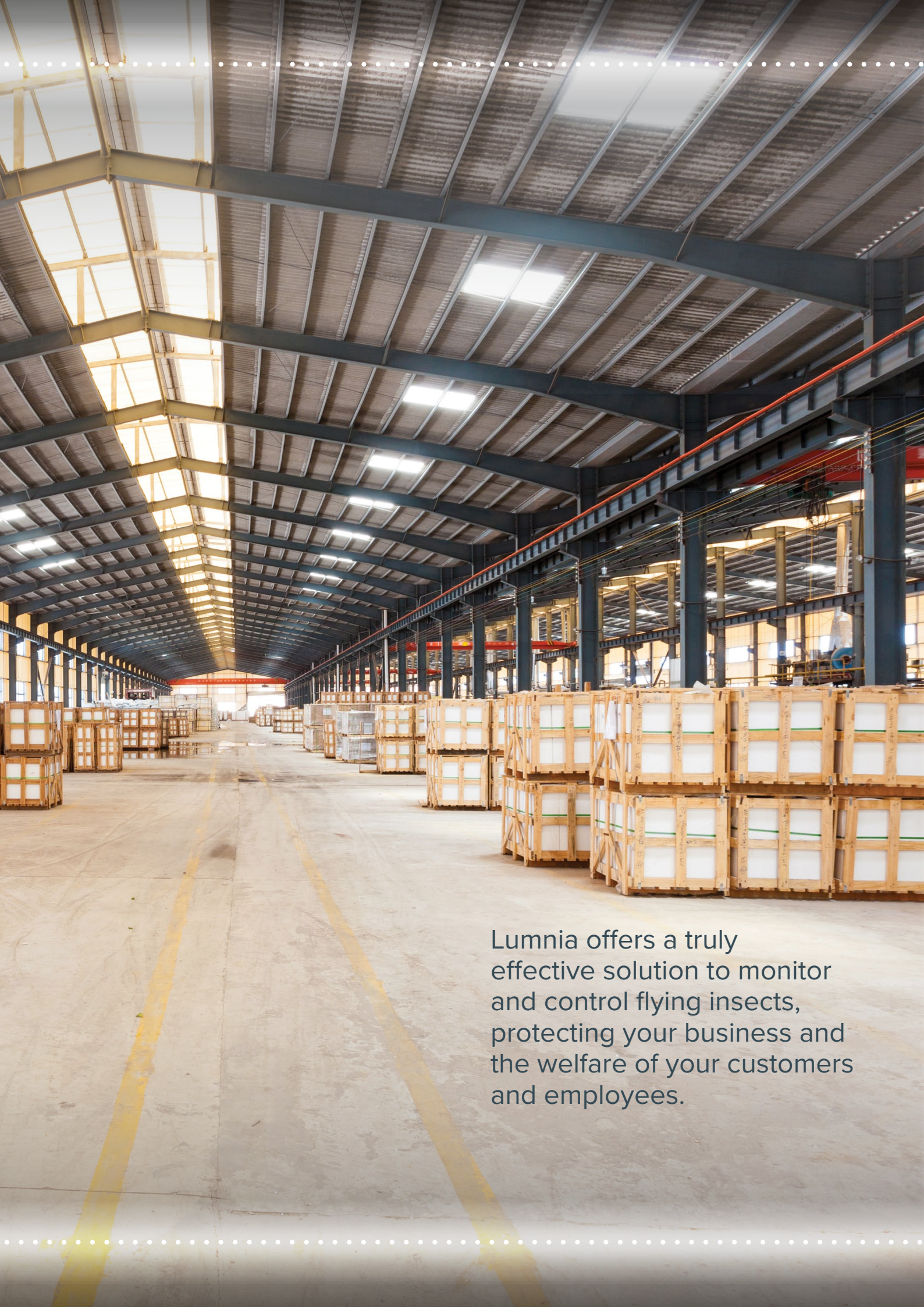
The range consists of four high-performing units of a modern, seamless design, while offering lower glare from LEDs and reduced visibility of caught flies. Units also switch between Monitor and Control modes to suit customer and location requirements.

Ease of service

Open-close design allows for quick service changes of lamps, boards and rolls and reduces safety, health and environment risks when the unit is installed at height. Durability and design of the lamps and hardware reduces the frequency of service, need for stepladders and reduces safety risks in enclosed spaces through improved ease of maintenance. Featuring an integrated sliding mechanism, Lumnia units can be serviced 30cm closer to the ground.

Environmentally friendly

The units have several energy modes that will adapt to day and night, reducing consumption and contributing to a lower environmental footprint. The low energy LED lamps have a three-year life span and use less energy to run than a standard fly killer.



Lumnia offers a truly effective solution to monitor and control flying insects, protecting your business and the welfare of your customers and employees.

The features and benefits of Lumnia

Rentokil solutions detect, capture or kill pests and are individually tailored to your industry and precise business needs.

- ▶ Optimised for attraction and catch rate, Lumnia's proven performance reduces contamination risks and protects your reputation.
- ▶ Versatile, modern designs fit seamlessly into your environment and can be adjusted to offer lower glare from LEDs.
- ▶ Open-close design allows for quick, convenient and safe service changes of lamps, boards and rolls.
- ▶ Manufactured with environmental impact in mind. Lumnia reduces carbon footprint through efficient design and low-impact LED technology.



Developed with proven innovative LED technology, each unit is designed to attract, kill and encapsulate insect pests hygienically, eliminating the risk of contamination. LED directional light emission save an average of 61% of energy compared to equivalent competitors.

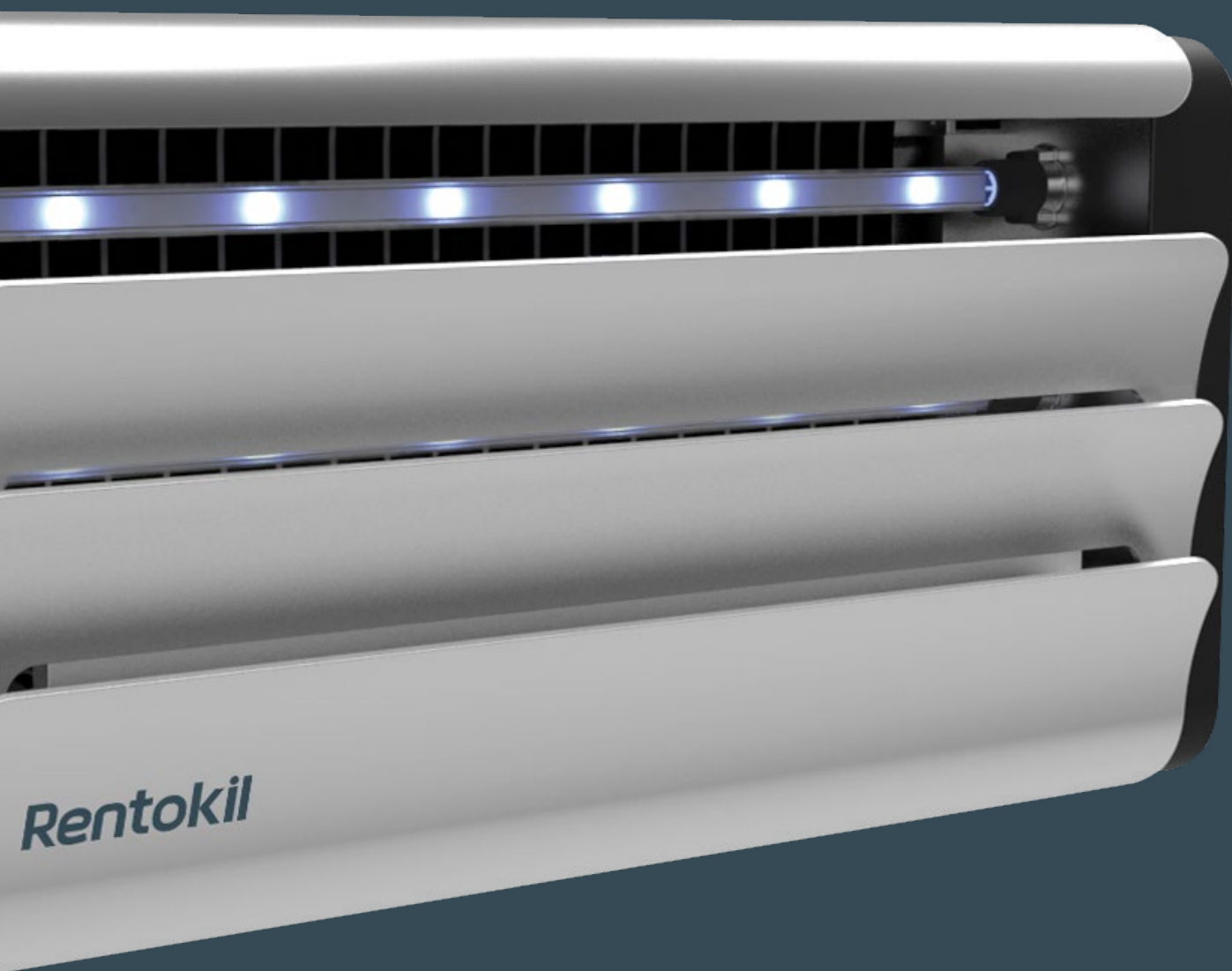


Units feature purpose-built modes to monitor and control the surrounding environment, meeting requirements for effective fly control.



Lumnia offers four different energy modes, that will allow the unit to adapt itself depending on the amount of UV light that there is in the environment.





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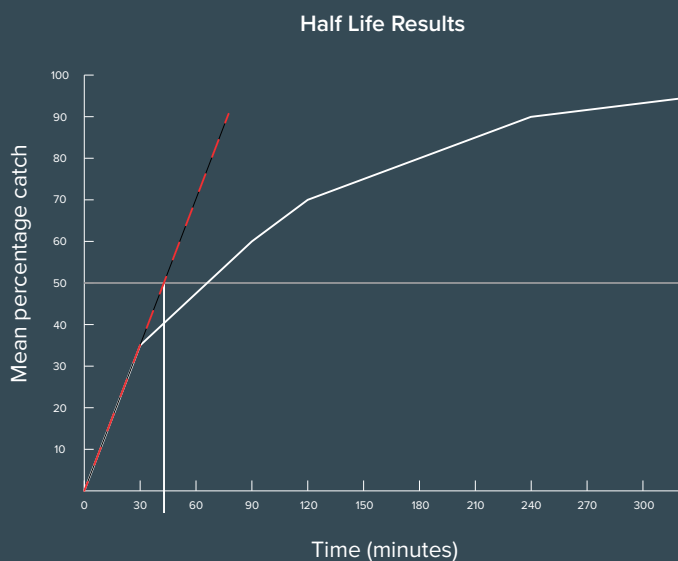
Fly killer efficacy

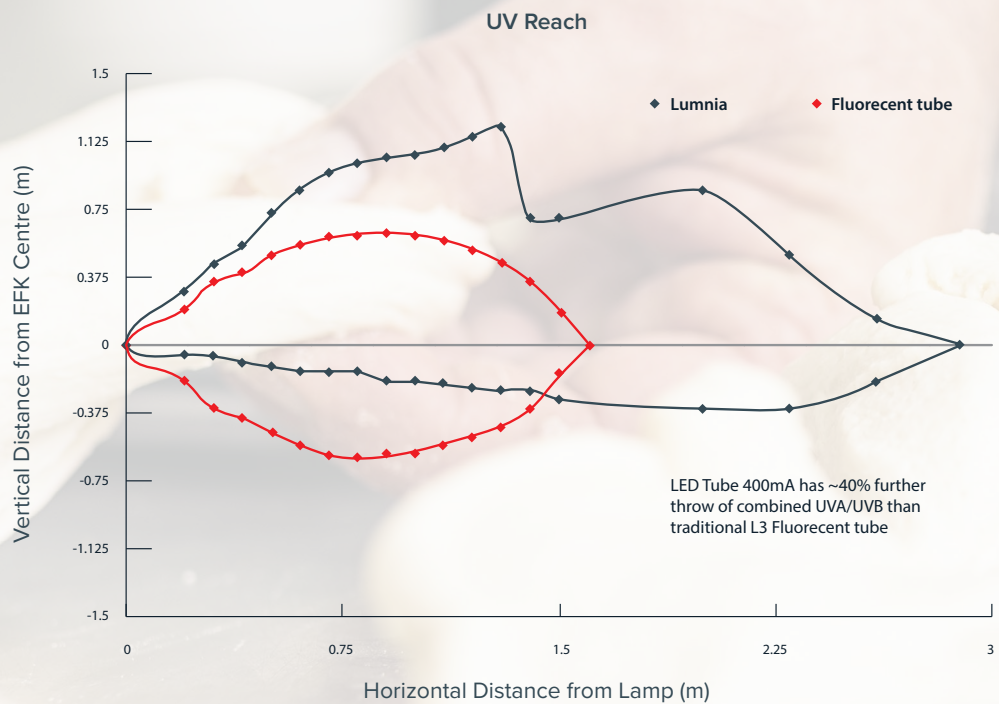
There are many claims being made about the efficacy of electric fly killers and it can be difficult for customers to determine which the best product for any given situation. To overcome this, Rentokil has devised a standard test to scientifically measure performance, allowing customers to directly compare products against each other.

If it comes down to one thing we really care about, it's how fast we can remove flies from an environment. The quicker we eliminate them, the lower the risk of fly-borne diseases.

The Rentokil test is based on releasing 100 house flies in a standard test room with the unit installed, and counting the number of flies captured at regular intervals over a seven hour period. This process is repeated at least six times to ensure a fair reflection of performance over time.

While this information can be presented as a graph, it is difficult to make meaningful comparisons between multiple units, so we developed the concept of the Half-Life measure – representing the time taken to eliminate 50% of the flies released in the test chamber.





Why LEDs?

LED lighting besides reducing power consumption brings other benefits to the customer.

This commercial range using LEDs comes as a result of working in partnership with a leading manufacturer of LED. The testing of these LED Tubes has 40% further throw of combined UVA/UVB than traditional Fluorescent tubes.

A man in a dark grey polo shirt with a red collar is looking at a tablet. He is standing in a kitchen or food service area, with shelves of various items like cones and containers visible in the background. The lighting is bright and focused on the man and his tablet.

About Rentokil

As the market leader, we have a deep understand of the risks a potential pest problem can create. We understand that protecting the health of your employees and customers also protects your reputation.

Tailored solutions

Our team of experts will look to understand your business and facility, to ensure your Lumnia solution is customised to your needs.

Why Rentokil?

Rentokil is the global leader in pest control, bringing expert, reliable and professional service to commercial and residential customers in over 60 countries worldwide.

As the experts in pest control, we work closely with you to:

Give you peace of mind

With over 12,000 qualified technicians worldwide, we have extensive experience across a wide range of industry sectors. Our experts work proactively in partnership with you to minimise the threat of pest infestations in your business.

Safeguard your reputation

We take a dual approach, incorporating both preventative and responsive strategies to enhance protection for your business through a consistent, continuous pest control programme.



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Rentokil offers risk reduction from fly-borne communicable diseases as a service to our customers. Our monitoring and control light traps are designed to remove flying insects from their area of effect as quickly as possible to minimise the risk of infection. The half life of a light trap is the average time taken to remove 50% of a population of flies from an area. This is one of the most important metric for the service we offer.

Rentokil Global Entomologist

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For more information about Rentokil visit www.rentokil.com

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