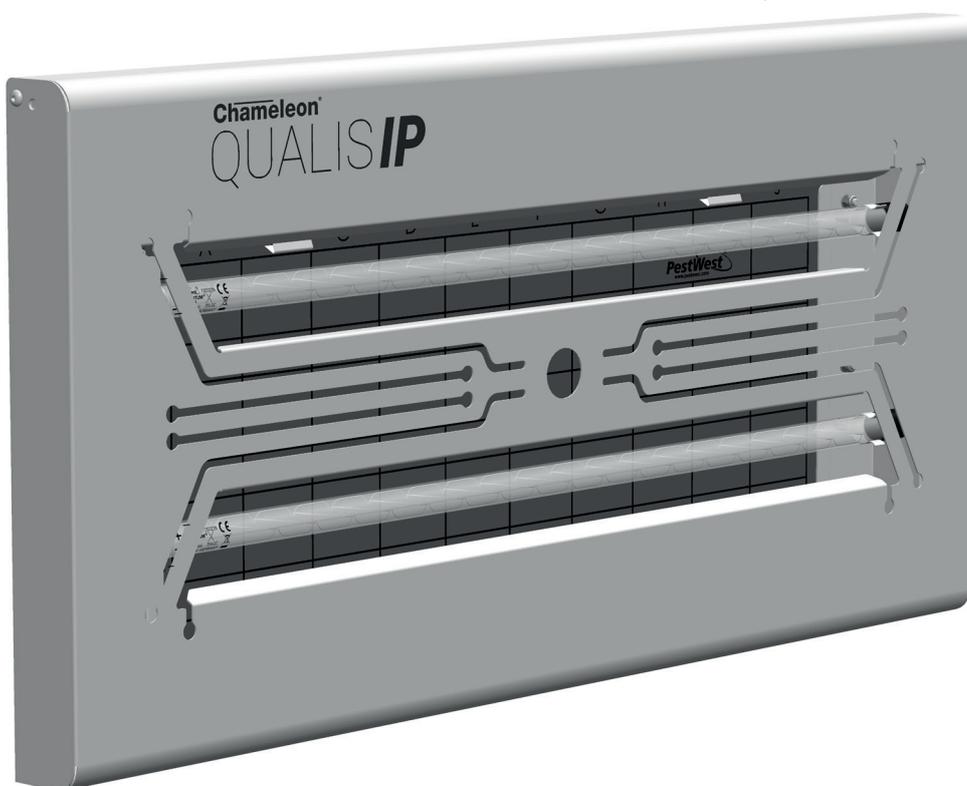


Chameleon[®] QUALIS *IP*

QUANTUM[®]
LED



**INSTRUCTIONS FOR USE
GEBRUIKSAANWIJZING
GEBRAUCHSANLEITUNG
ISTRUZIONI PER L'USO
BRUKSANVISNING
INSTRUKCJA OBSŁUGI
INSTRUCCIONES DE USO
NOTICE D'INSTRUCTIONS**

INSTRUCTIONS FOR USE AND MAINTENANCE

PRECAUTIONS

All PestWest Traps are fully insulated, class 1 appliances, nevertheless, sensible precautions should be observed:

- **Switch off the machine before servicing or cleaning.**
- **Keep out of reach of children.**
- **The Quantum® X LED lamps produce ultraviolet light in the UV-A region at 370nm wavelength, which can be harmful to the skin and eyes, avoid prolonged exposure at close proximity.**
- **Do not install where dangerous concentrations of flammable vapour or explosive dust is likely to occur.**
- **Ensure the unit is properly earthed.**
- **This appliance can be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.**
- **If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.**
- **Ensure that operators have adequate and secure working platform, when working on the machines.**
- **Do not allow the glue board to become overfilled with dead insects. Change at regular intervals as required by the catch or at least every 6-8 weeks. Ensure PestWest glue boards are fitted as replacement.**
- **Suitable for indoor use only.**
- **Not suitable for use in barns, stables and similar locations.**
- **Do not attempt to open the lid of the unit. There are no user serviceable parts inside and removal may adversely affect the IP66 rating of the product.**
- **Ensure that a disconnection device for all poles is fitted when connecting to fixed wiring in accordance with the wiring rules.**

PRODUCT DESCRIPTION

All PestWest flytraps are made using the highest quality materials. The Chameleon Qualis IP is manufactured from 304 brushed stainless-steel finish. The Chameleon Qualis IP is fitted with next generation Quantum X LED filament lamps with a peak wavelength of 370nm coated with FEP shatter-resistant coating as standard as well as utilising the PestWest Plastic LED sticky board.

The new Quantum X LED filament lamp is made with the familiar T5 form factor (glass tube, end caps and pins) used in our conventional 14WT5 fluorescent Quantum lamps.

The main advantages of the Quantum X LED filament lamp technology are the extended pattern of light distribution and the improved energy efficiency. Increased fly attraction is partly due to the LED filaments light distribution, which is around 360° compared with only 120° typical of high power SMD (Surface Mounted Device) LEDs found in older first-generation LED insect light traps. LED filaments are also more energy efficient than both high power SMD UV-A LEDs and also conventional fluorescent lamps.

The Quantum X LED filament lamp consists of 18 individual LED filaments mounted on a frame and hermetically sealed within a glass tube with a state-of-the-art gas cooling system, which is far superior to traditional metal heat sinks.

Each LED filament has 24 individual LEDs which are mounted on a translucent substrate, which enables the Quantum X LED lamp to provide light in all directions. The combination of 360° light distribution and the softer intensity of light produced by far more LEDs (432 per lamp) gives the Quantum X superior fly catching performance.

The Chameleon Qualis IP is IP66 rated to BS EN 60529-1992 standard for water and dust ingress protection.

TECHNICAL SPECIFICATION

Voltage Range	220-240V
Frequency Range	50-60Hz
Power Consumption	13.5W
Ingress Protection Rating	IP66
Classification	Class 1
Ambient operating temperatures	0 to +40°C
LED Driver type	Constant Current
Area of Coverage	90-120m ²
Sticky board	135-000239 (6 PK)
LED Lamp type (2 QTY)	130-000321 Quantum X LED 370nm 550mm T5 Shatter-Resistant
Mounting Method	Wall Mounted
Unit Dimensions mm	H320 x W636 x D55
Weight	5.6Kg (unboxed)

UNPACKING YOUR UNIT

Each unit is carefully inspected and packed before leaving our factory. Before discarding the outer carton, examine for obvious evidence of transport damage. Remove the unit and pay attention to the removal of all packing materials, before installing the unit.

MODE OF OPERATION

Electrical flytraps operate on the principle that most flying insects are attracted to light, particularly to the ultraviolet (UV) end of the light spectrum. Since insects are still active and will fly at night, traps should be left operating 24 hours a day.

SITING

The efficiency of the unit can be affected by the intensity of other light sources, e.g.: daylight. Therefore, mount the unit where competition from other light sources is minimised.

In food areas, mount close to, but not directly over, exposed food or preparation surfaces (preferably to attract flies away from sensitive areas, rather than attract towards them). Observe where the flies tend to congregate and if possible, put your flytrap in or close to that area.

Site the units near where flies are likely to gain access, e.g.: doors and windows opening to the outside, especially dustbin areas.

Position the trap where it can be easily reached; not over working machinery where access may be difficult or dangerous.

ELECTRICAL SUPPLY

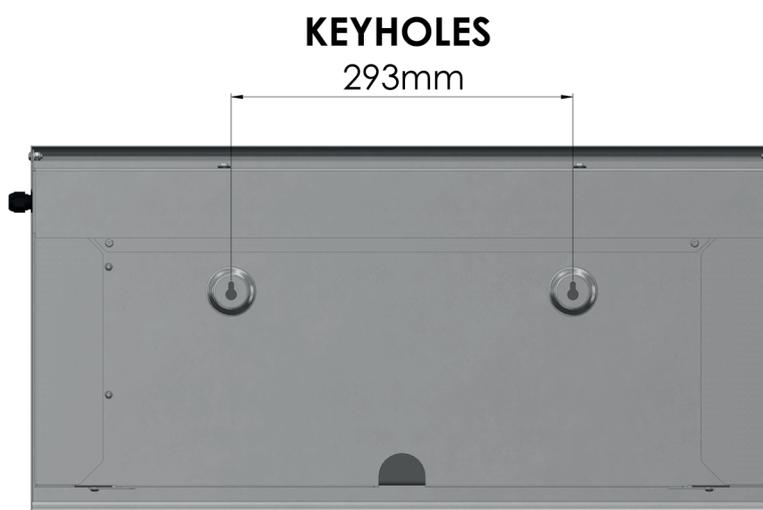
The unit is fitted with a 2.8 metre input cable and operates from a 220-240V 50-60Hz electrical supply. The input cable is hard-wired for electrical safety. If it is necessary to extend it, this must be done by a competent electrician.

When installed in wet or damp areas the cord must be terminated by a connector suitable for the environment. Ensure that once installed, the power lead is adequately secured.

INSTALLATION

The Chameleon Qualis IP is designed to be wall mounted. The unit has two keyholes in the back panel to easily mount the unit onto the wall.

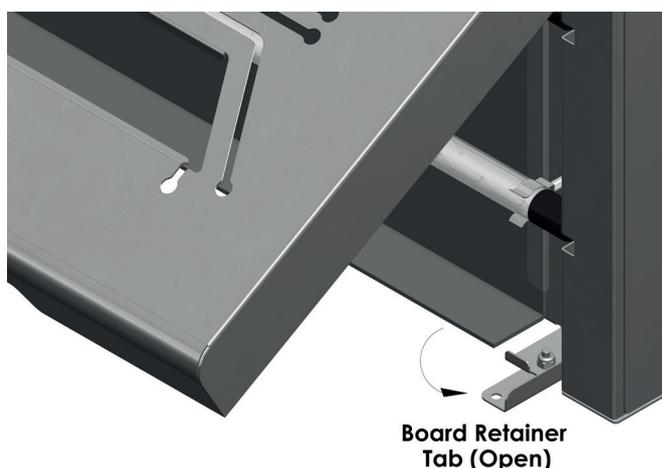
Figure 1 – Keyhole mounting locations



To reduce UV light exposure to skin and particularly the eyes, PestWest recommends that the unit is mounted 1.8m above the floor (measured from the lower edge of the unit). Also avoid mounting the unit in close proximity (less than 1m) from an area where people are working for extended periods.

To mount the unit onto the wall firstly open the front cover by lifting outwards from the bottom (Note: when the cover is opened approximately 45° it will stay open on its own). Next, open the two board retainer tabs at the bottom of the unit by twisting outwards.

Figure 2 – Board Retainer Tabs



This will allow the sticky board to be removed from the unit by simply pulling the sticky board downwards and out of the board guides.

Close the board retainer tabs and the front cover. You can now use the unit as a template, place a spirit level along the top edge of the unit to ensure it is level and then mark off the two fixing points on to the mounting surface.

Drill the marked off points to a depth of 40mm using a 5.5mm masonry drill bit. Place the plastic plugs into the wall then screw the screws into the plastic plugs leaving the head of the screw approximately 10mm from the wall.

The unit will now hook over the screws because of the keyhole feature. You must now fully tighten the screws so that the unit is properly secured to the wall and ensure the screw heads do not prevent the fitting of the sticky board. You can now re-install the sticky board, which is the opposite procedure to removal. Secure the power cord to the wall or other firm surface prior to connecting to the supply.

CLEANING AND MAINTENANCE

To maintain the attractive appearance of the unit wipe down and clean as often as required. Use a cloth dampened with water and detergent or a proprietary cleaner. Do not use scouring pads or abrasives.

It is recommended to lubricate all moving parts such as the front cover on an annual basis, particularly in harsh environments.

Change the sticky board in the trap when full or at least every 6 - 8 weeks.

The Quantum X LED lamps in the Chameleon Qualis IP should be changed at least once every 3 years.

It is recommended that the installation date is recorded for future reference, there is a label on the inside of the unit for this purpose. Always install PestWest Quantum X lamps.

The PestWest Chameleon Qualis IP unit comes with Quantum X shatter-resistant LED lamps fitted. The shatter-resistant lamp is intended for use in glass exclusion zones. The coating on tubes supplied by PestWest is of the highest quality available, using a material, FEP, that is both UV and operating temperature tolerant whilst allowing high emissions of the critical wavelength of light.

RENEWING THE STICKY BOARD

Always install PestWest® Plastic LED 21" sticky boards or PestWest Cardboard LED 21" sticky boards to ensure peak efficiency and performance of the Chameleon Qualis IP. This LED 21" sticky board has been developed in conjunction with the PestWest Quantum X LED lamps to provide the most effective performance as possible. Using any other sticky board will have a negative impact on the performance of the trap.

Switch off the machine before servicing. Sticky boards should be changed when full or at least every 6-8 weeks. Regular inspections of the sticky boards are recommended, as they are not entirely visible in normal operation.

Open the front cover by lifting outwards from the bottom (Note: when the cover is opened approximately 45° it will stay open on its own). To remove the sticky board, you must first open the board retainer tabs. This will allow the old board to be removed from the unit by simply pulling the sticky board downwards and out of the board guides.

The sticky board has a pre-cut fold line about 30mm from the edge that allows this small section of the sticky board to be folded at a 90° angle. This folded section of the board will help catch any debris falling from the upper part of the sticky board. Before removing the backing paper, you need to fold this section and then remove the backing paper from the new sticky board.

Slide the sticky board into position in the machine, sticky side facing the UV LED lamps, ensuring it clicks into place under the spring retainers at the top of the machine. Fold the board retainer tabs back into their original closed position so that they hold the folded section of the sticky board in place and close the front cover. You can now switch the unit back on.

REPLACEMENT PARTS

Sticky Board type: 135-000239 (Plastic LED 21" STICKY BOARD - PK6)
135-000226 (Cardboard LED 21" STICKY BOARD - PK 6)

LED Lamp type: 130-000321 (Quantum X LED 370nm 550mm T5 Shatter-Resistant).

To ensure a safe use and optimum performance only fit the above original parts.



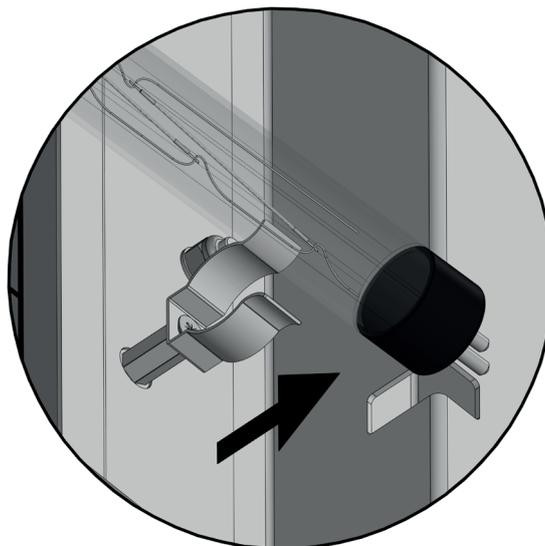
Switch off the machine before servicing. It must be noted that LED lamps are nothing like fluorescent lamps, failure to disconnect the unit from power when removing or inserting a lamp is likely to permanently damage the LEDs. This will result in the LED lamp being irreparably damaged.



CHANGING THE LED LAMPS

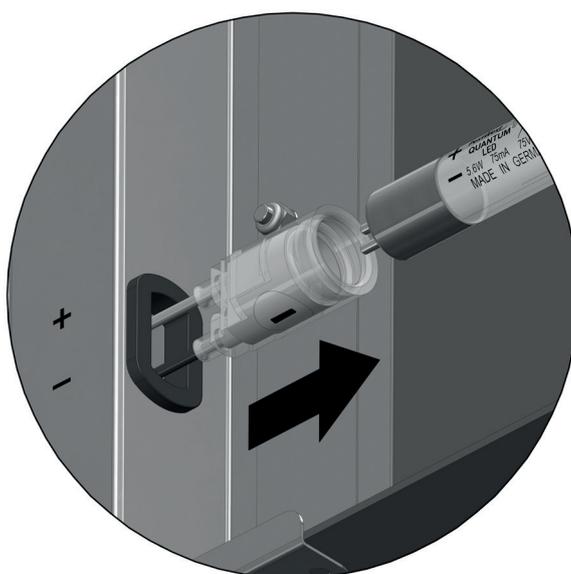
Switch off the machine before servicing. Open the front cover by lifting outwards from the bottom (Note: when the cover is opened approximately 45°, it will stay open on its own) To remove the LED lamp, first lift the lamp out of the metal clip on the right-hand side of the unit by pulling it out towards you (See Figure 3 below).

Figure 3. Removing the lamp from metal support clip.



Next, carefully pull the lamp and lamp holder out of the black rubber grommet on the left-hand side of the unit, sliding it towards the right. Holding the tube in one hand, and the clear rubber lamp holder sleeve in the other, firmly pull the lamp out of the sleeve. (See Figure 4).

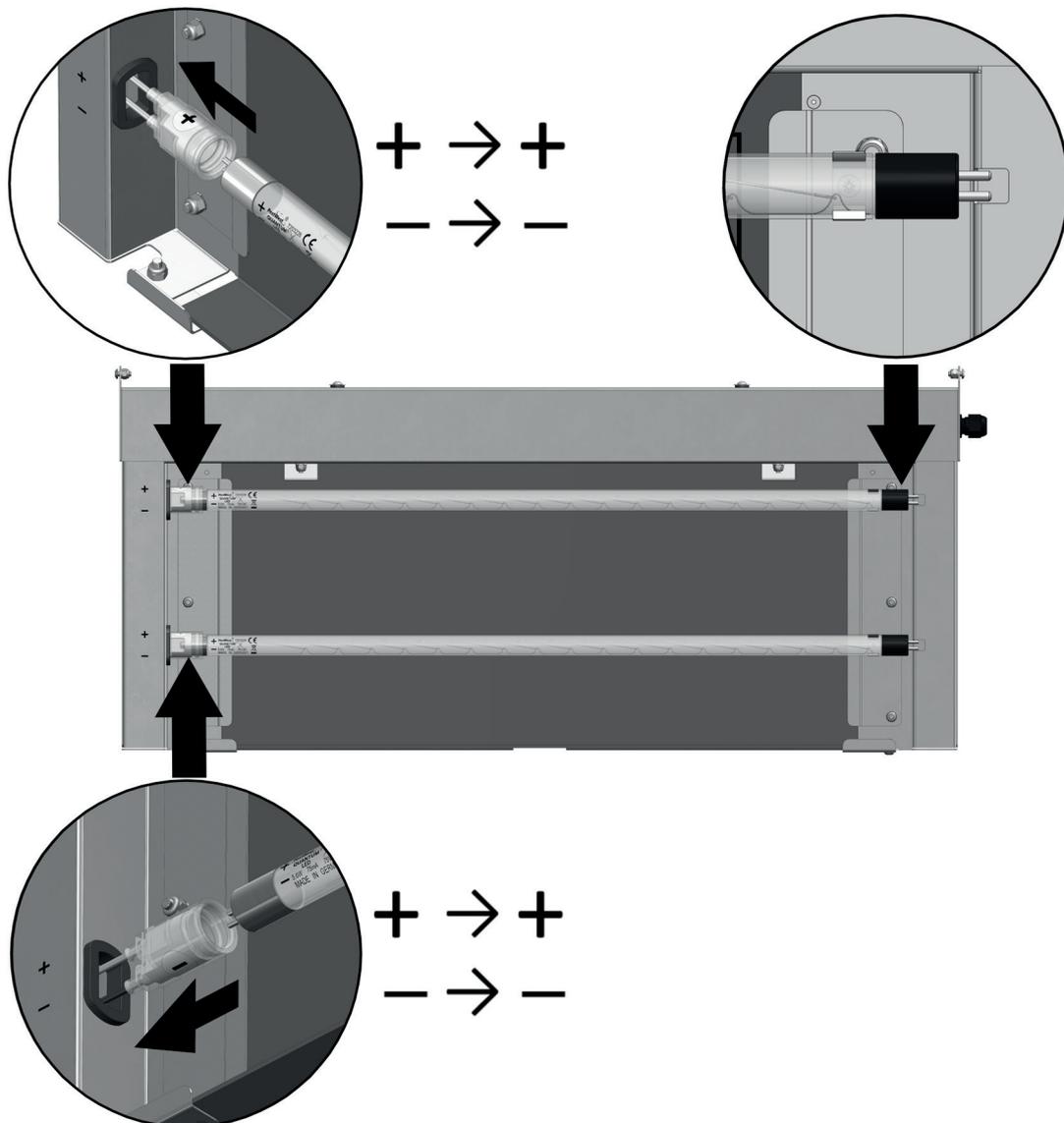
Figure 4. Removing the lamp from the lamp holder.



CAUTION – Quantum X LED lamps are powered by Direct Current (D.C.) at one end only, which is easily recognised by the silver end cap and the printing on the left-hand side (LHS), see figure 5. The D.C. input pins (LHS) require fitting in the correct polarity, positive (+) and negative (-). Please note that the correct polarity is marked with a + & – symbol on the Quantum X LED lamp (LHS printing) and the corresponding LED lamp pins must be fitted to the corresponding + & – symbols on the lamp holders & metalwork, located on the left side of the trap, next to the lamp holders, see figure 5.

- When fitting the LED lamps ensure the silver end cap is fitted into the left-hand side (LHS) lamp holders, with the + & – symbols correctly aligned on the LED lamps, lamp holders, and metal chassis (See Figure 5).
- Pay close attention to ensure that the LED tube is properly inserted and seated into the clear rubber lamp holder sleeve, as this is critical to maintain the IP rating of the unit.
- When reinserting the lamp holder, make sure to match the + & - symbol on the lamp holder with the + & - symbol on the metal work.
- The black non voltage end cap should be secured in place in the metal support clip on the right-hand side (RHS) of the unit (See Figure 5).
- The LED lamps will not operate in any other configuration.
- Close the front cover and switch the unit back on.
- The unit will only operate with Quantum X LED 370nm 550mm T5 lamps.

Figure 5 - Fitting the LED lamps in the correct polarity and orientation.



GUARANTEE

All PestWest units are supplied with a 3-year guarantee (excluding LED lamps and sticky board).

Manufacturer reserves the right to vary model specifications without notice.

NEXT LANGUAGE TO FOLLOW ON HERE

