

PHILIPS

Philips Actinic LEDtube
performance meets
LED efficiency

Actinic LEDtube EM/Mains T8 Secura



Actinic UV-A

LEDtube EM/Mains T8 Secura

Maintaining cleanliness and protecting food are essential in professional settings such as restaurants, catering services, and the food and beverage industry. Insects, particularly flies, pose a significant threat to food safety. One of the most effective methods to reduce insect presence is by attracting and eliminating them using an Electronic Fly Killer (EFK). Philips introduces the latest addition to the renowned Actinic BL family: the Philips Actinic UV-A LEDtube EM/Mains T8 Secura. This innovative high-performance insect trap LED lamp has been designed to effectively control houseflies and other pests in food production facilities, restaurants, shopping centres, offices, and food preparation areas. It combines the best of both worlds: UV-A technology to attract and trap insects, and LED technology to save on energy costs, reduce carbon emissions, and ensure a 100% mercury-free solution. This new product offers an equal catch rate to the conventional Philips Actinic UV-A lamps.



Why Choose Actinic UV-A LEDtube EM/Mains T8 Secura For Your Insect Trap Application?

- **Versatile:** retrofit (EM systems) & 1st install in one product
- **Effective catch-rate:** thanks to optimized spectral distribution
- **Energy-Savings:** thanks to LED technology & efficient electrical design
- **Safe:** Thanks to Secura shatterproof sleeve
- **Environmentally friendly:** lead & mercury free, low energy consumption, retrofit & long lifetime
- **Long lifetime:** 3-year lifespan

Versatile

The Philips Actinic UV-A LEDtube can be used either as a retrofit solution for EM systems (Plug & Play) when combining with Philips MASTER LEDtube EM/ Mains Starter (purchased separately) or as a first-install product by connecting it directly to mains voltage.

Effective catch rate

Thanks to its optimized spectral distribution and unique lamp characteristics, the catch rate of our Philips Actinic UV-A LEDtube is exceptional. The efficacy has been rigorously evaluated through catch rate tests conducted in a specialized external laboratory under controlled conditions. The results demonstrate that the Philips UV-A LEDtube has a catch rate comparable to our conventional Philips Actinic lamp.

Energy Savings

Our Actinic UV-A LEDtube offers exceptional energy efficiency with just 5W of power consumption, helping to lower energy costs. Additional savings can be achieved by utilizing the LED starter or connecting directly to the mains, as this bypasses the need for the EM driver.

Safe

For enhanced protection and safety, all Actinic UV-A LEDtube EM/Mains T8 lamps are manufactured with our shatterproof Secura coating. This shatterproof sleeve ensures that all glass and components remain intact in the event of accidental lamp breakage, thereby eliminating the risk of glass splinters contaminating food/products. The blue tape assures Philips Secura authenticity.

Environmentally friendly

This product represents our most sustainable offering yet, featuring a lead- and mercury-free composition, energy-efficient performance, and a 3-year lifespan.

Long lifetime

Following a stringent validation process, we are pleased to guarantee a 3-year lifespan for the Philips Actinic LEDtube. By choosing this product, you can enjoy peace of mind and reliable performance.



The following table illustrates the energy cost & CO2 emission savings by using two Philips LED tubes instead of two conventional Philips lamps in an insect trap fixture (1 fixture = 1 unit)

Number of units/Years	Energy Cost Savings (UK)*	Energy Cost Savings (EU**)	CO2 Emission Savings***
1 unit 1 year	£ 54.8	€ 43.83	107 KG
10 units in 3 years	£ 1,644	€ 1,315	3,208 KG

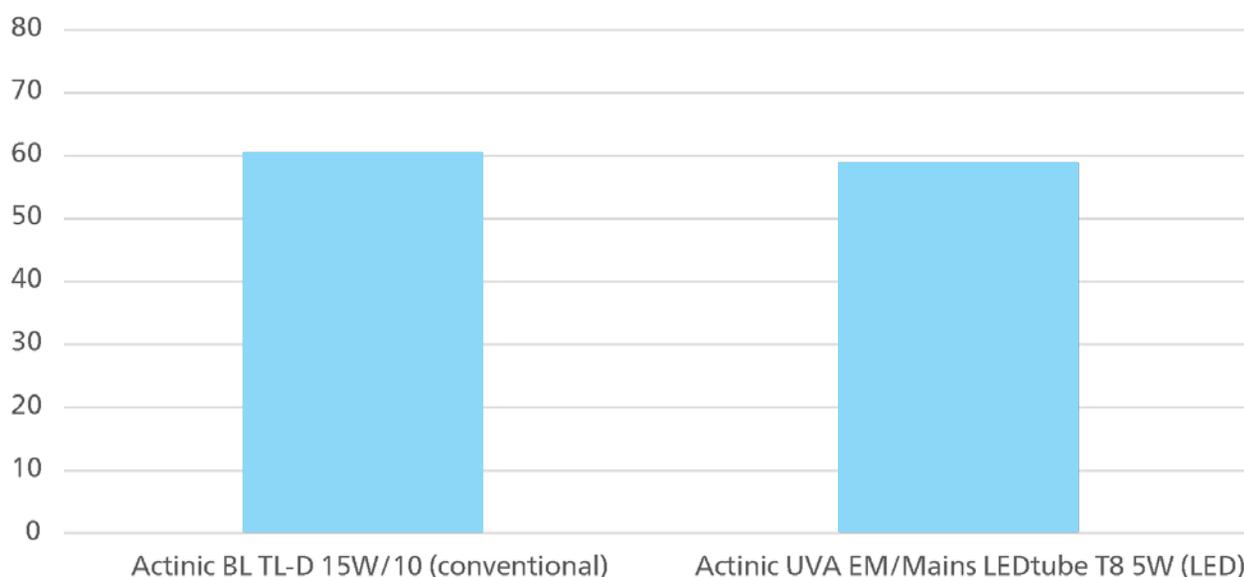
(*) UK savings are calculated at £0.25 per kWh.

(**) EU savings are average & calculated at €0.20 per kWh.

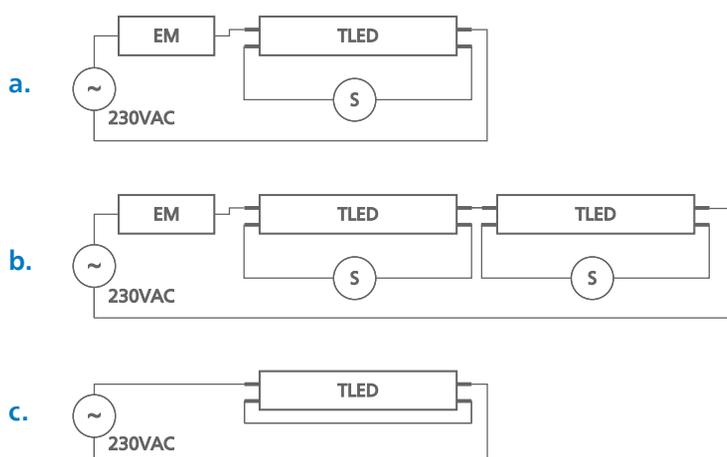
(***) Based on IPCC information

The following graph shows a comparison of catch rates between Philips conventional Actinic BL TL-D 15W lamp and the new Philips Actinic UV-A LEDtube T8 5W

The average time (in minutes) for 50% of the fly sample to be caught in a trap



Electrical Connection Diagram



Legend

EM – Electromagnetic ballast

S – MASTER LEDtube replacement Starter

Optional connection configurations

- a. Single lamp retrofit connection
- b. Two lamps retrofit connection
- c. Direct mains connection

Lamp specification

General Information

Range of light	UV-A
Type	Linear T8 tube
Electrical supply	Mains voltage
Connector	G13
Key applications	Insect trap

Electrical Characteristics

Input voltage	220 – 240VAC
Input current	30mA, 35mA max
Power consumption	5W, 6W max
Power factor (direct mains supply)	> 0.85
Energy consumption (8kh per year)	40 kWh
Lamp connections	Option 1: Retrofit. 1 or 2 LEDtubes connected in series to EM ballast and combined with Master LED tube starter which can be purchased separately. (*) Option 2: Direct connection to mains voltage
Number of on/off switches	> 20k

Optical Characteristics

Peak wavelength	360 - 370 nm
Lifetime	25,000 hours @ 25°C

Environmental Conditions

Operation ambient temperature	25°C, min. -10°C, max. 35°C
Humidity	max. 75%

Mechanical Characteristics

Lamp dimensions	See below diagram
Weight	100g

Certificates and Standards

ROHS/Reach compliant	yes
Approval marks	CE / UKCA

Dimensions (mm)

Product	D (max)	A (max)	B (max)	B (min)	C (max)
Actinic UV-A LEDtube EM/Mains T8 Secura	28	437.4	444.5	442.1	451.6

Order Code: 9278 988 11001

Packing Type: Individual carton sleeve,
with 20 packs per outer box.

(*) MASTER LEDtube Starter EMP GenIII , which is used for retrofit replacements, can be purchased separately [order code 929003481702]

