

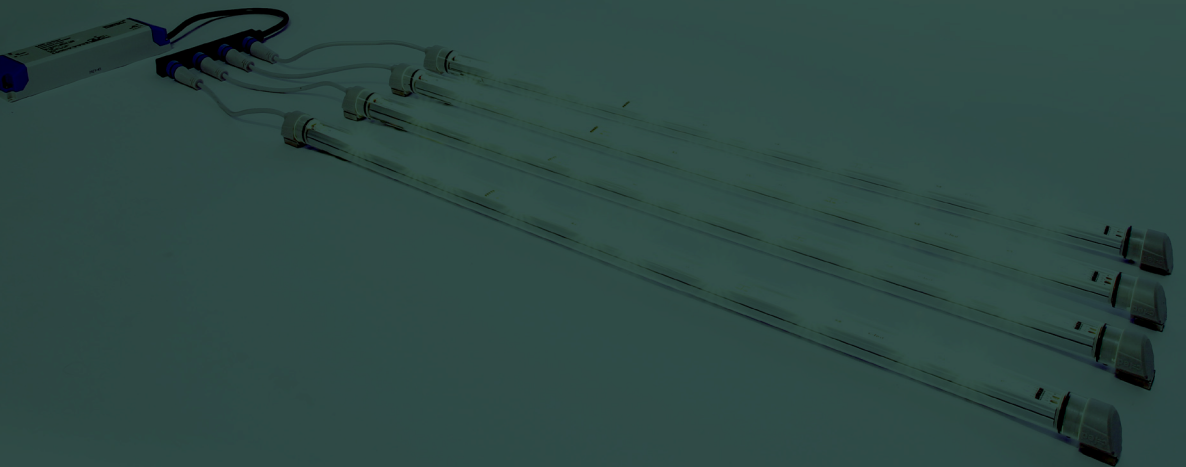


K-MATING LIGHT

Co-developed with an Italian lighting industry leader, the K-MATING-LIGHT is a compact and modular solution designed for BSF adults' reproduction for both individual K-Cages and large-scale Light-Rooms.

Application

Specifically engineered to trigger mating behavior in *Hermetia illucens*. The spectrum mimics natural environmental cues necessary for successful reproduction.



Technical specification

Electrical Characteristics	Specification
LAMP POWER	29 W
INPUT VOLTAGE	24Vdc
CURRENT CONSUMPTION @ 24Vdc	1.2 A (max)
LED TYPE	N° 18 LED 3535 high power (4000K - 365nm)
INSULATION CLASS	Class III
DIMMING	YES (via external dimmable power supply)

Lighting Characteristics	Specification
IRRADIANCE @Tc=85°C @1.5 m	4.3 W/m ²
SPECTRUM	UV-A
LED WAVELENGTH +/- 5nm	4000K - 365 nm
LED BEAM ANGLE	120°
LED LIFESPAN	25,000 hours - 30% flux (L70)
* Declared data have a tolerance of ± 10%	

Mechanical Characteristics	Specification
LENGTH	810 mm (overall)
WEIGHT	0.40 Kg
PROTECTION RATING	IP66
MATERIALS	Outer transparent PMMA tube (flame rating HB); Internal extruded aluminum profile; Co-molded cable and PVC end caps (flame rating V-0)
TEMPERATURES	Operating: -10°C / +40°C; Storage: -20°C / +60°C
CONNECTION	2-pin connector

Product Reference Images

Dimensioni meccaniche:



4 ways connector for easy plug and cable routing



Magnetic clip, 24V power supply, dimmable. All components are IP66 certified

Key Advantages

Extended Lifespan: Engineered for longevity, maintaining 70% of light output even after 25,000 hours of operation.

- **Instant-On Efficiency:** No warm-up time; gain full control with immediate ON/OFF switching.
- **Seamless Integration:** Designed for simple mechanical and electrical installation.
- **Maintenance-Free:** Virtually eliminate upkeep costs and minimize downtime.

Kit Content

Power Supply unit (220VAC – 24 Vdc) with diming system	One unit included – it powers up to 4 lights
Lamp	one VERTY P80 UVA / White HP
Plastic connector-distributor	Two/Four-ways
Lamp support	One set of CLIPS + magnet
Connector type	One female and one male CONN.M. D8 EP020-1224-00 EXCEEDCONN



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