



Technology for Growth





TECHNOLOGY FOR GROWTH

Kroptek is the UK's first global horticultural technology solution provider, offering a range of proven, adaptable and easily installed grow lights and turn-key controlled environment farming capabilities.

Our unique R&D facility in the UK allows us to design and develop simple, robust and highly effective horticultural technology solutions. We have a purpose-built manufacturing facility in China which operates to the highest certification and quality standards whilst allowing us to provide competitively priced solutions.

Our International team combines decades of expertise in the field of LED grow lights. We have worked with top scientists in the UK and Europe to develop world-class systems that have a proven track record. Having conducted multiple scientific and commercial grow trials, we provide our clients with solutions backed-up with knowledge transfer and extensive customer support.

Why choose Kroptek lights?

HIGH QUALITY AND HIGH PERFORMANCE EVEN IN HARSH ENVIRONMENTS



IP 65 Rating certified fully waterproof and dust-proof equipment.



Fanless passive cooling technology.



Designed and developed in our R&D facility in the UK.



Manufactured to the highest quality standards in our purpose-built factory.

CE, RoHS and ETL certifications:



* For Sunblast, Sunstream, and 120cm-4ft LED tube models

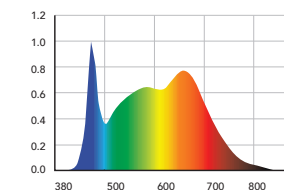
CUSTOMISED SPECTRUM OPTIONS

Our aim is to optimise the development and maximize the yield of a large variety of crops, at all stages of their growth cycle. Multiple in-house and university-led trials have allowed us to collect the data needed to fine-tune a series of spectra, based on the most common horticultural needs.

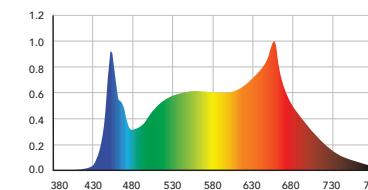
Our default Spectrum is KP4: Designed for all plant types this very high CRI spectrum has been proven to exceed HPS plant growth in a like-for-like setup. We can also develop fully customised spectrum options to suit the individual needs of growers upon request.

We also provide you with professional guidance and support in the long term. We can help you define the best light configuration from spectrum to fixture placement, whatever your grow space geometry, crop needs and budget with light planning services.

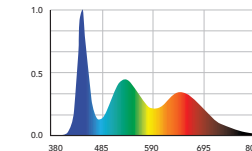
SPECTRUM KP04



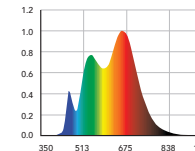
SPECTRUM KP08



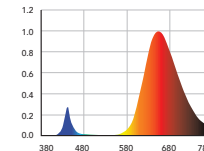
SPECTRUM KP01



SPECTRUM KP02



SPECTRUM KP03



KROPTEK
SUNBLAST SERIES



Can be combined for a multi-wattage solution from 330W to 1000W.



Easy installation with series connection capability to reduce set-up costs.



Scientifically proven broad spectrum emitting up to 2.7 $\mu\text{mol/J}$. Optional bespoke spectrum to suit different plant and crop types.

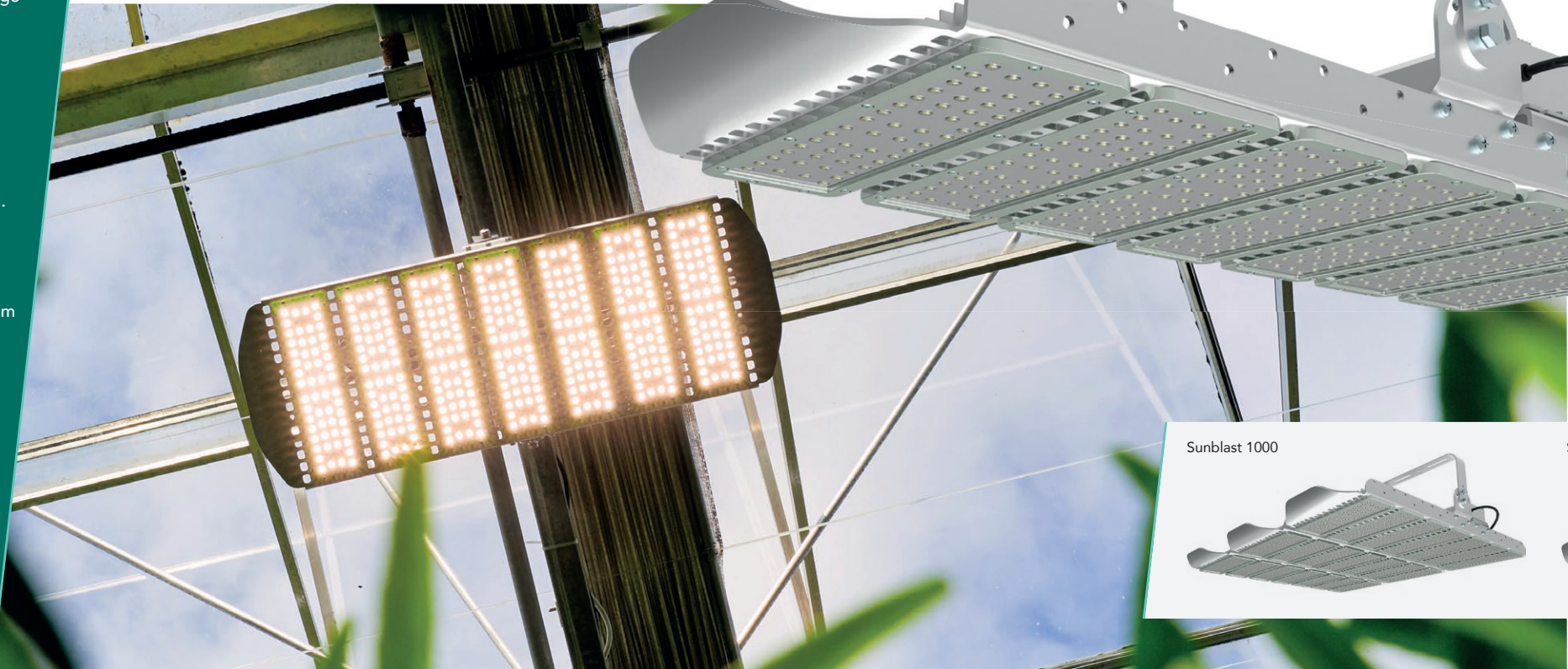


Unique range of beam angles available with technical support from our team to ensure optimal set-up.



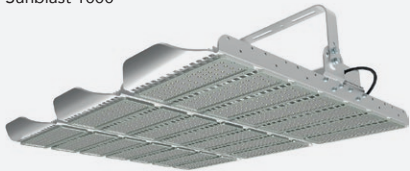
High power-factor driver with optional dimming function to suit client needs.

The high-power and superior performance LED toplight for glasshouses or indoor facilities



ACTUAL POWER	330W
WARRANTY	5 Years
SPECTRUM	Proven spectrums available or customised as required
INPUT VOLTAGE	120-277 VAC, 50/60 Hz
SIZE	L743 x W258 x H98mm / H220mm
COLOUR	Silver
INSTALLATION	Hanging, rigid fixing or customised
CERTIFICATIONS	UL, ETL, CE, RoHS
EMISSION	Spectrum dependent up to 2.7 $\mu\text{mol/J}$
WATERPROOF	IP65
BEAM ANGLE	90°
WEIGHT	N.W. 7.7 kg; G.W. 8.5 kg
HEATSINK	Passive cooling with high thermal conductivity

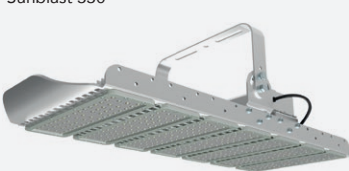
Sunblast 1000



Sunblast 660



Sunblast 330



KROPTEK
HIKROP SERIES



Clever modular design for simple scale-up from 60W to 360W.



Plug and Play installation with series easy-connect system.



Scientifically proven broad spectrum emitting up to 2.7 $\mu\text{mol/J}$. Optional bespoke spectrum to suit different plant and crop types.

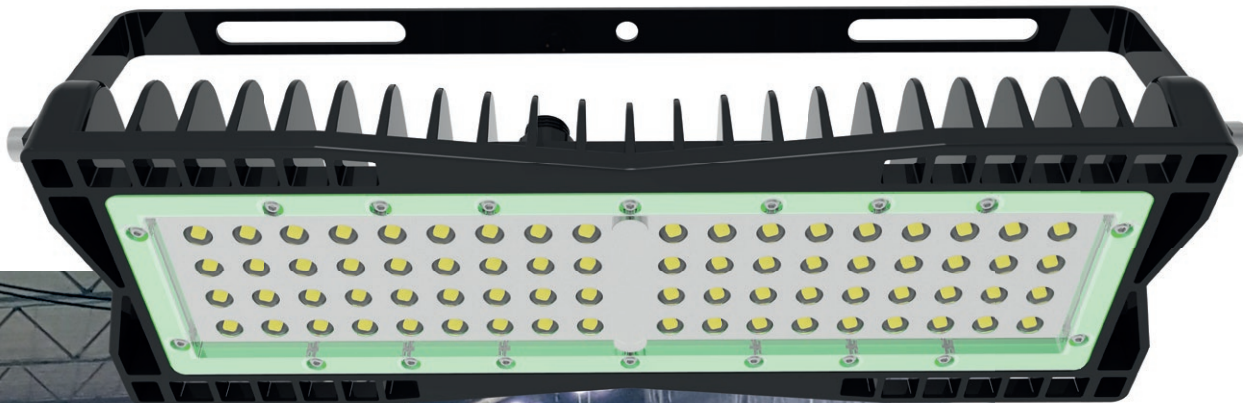
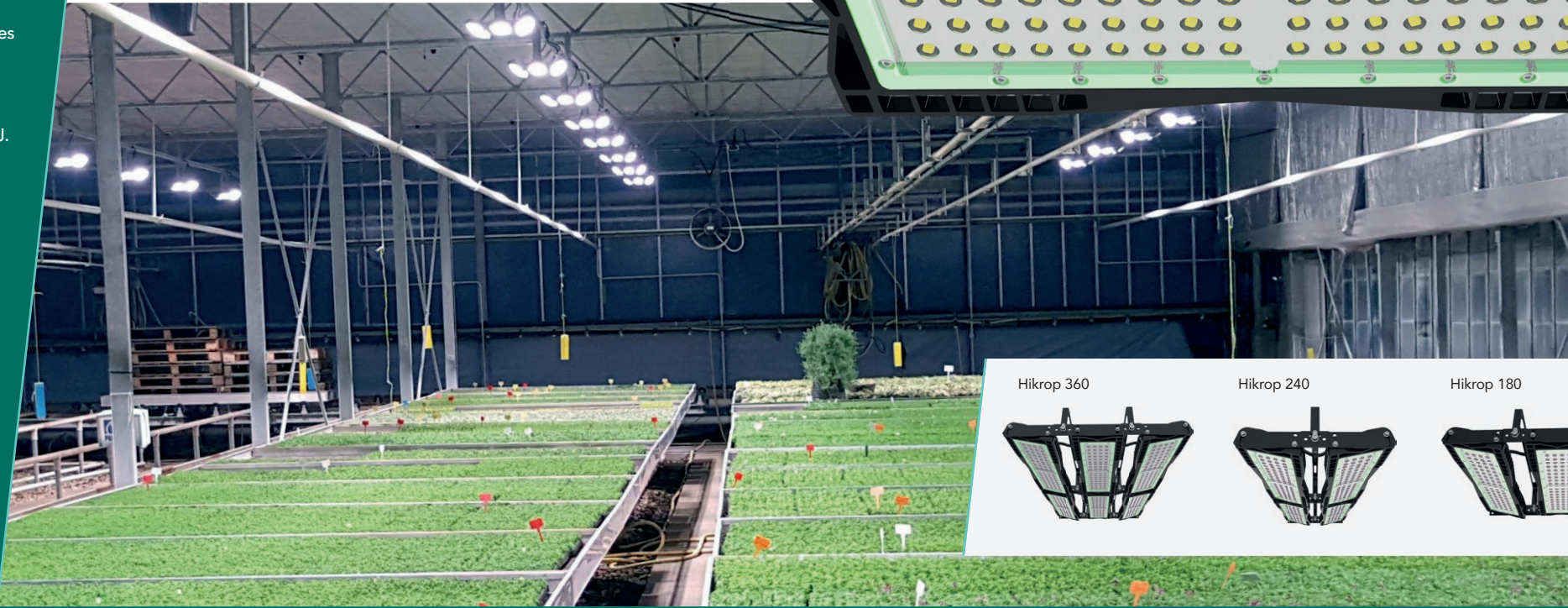


Unique suspension bracket to allow adjustment of beam spread.



Built-in high power factor driver for home-use or optional external driver for commercial grows.

The high-power multiple application LED toplight for glasshouses, research, indoor or home growing



ACTUAL POWER	60W, 120W, 180W, 240W, or 360W
WARRANTY	5 Years
SPECTRUM	Proven spectrums available or customised as required
INPUT VOLTAGE	220-240 VAC, 50/60 Hz
SIZE	L320 x W115 x H42 mm
COLOUR	Black
INSTALLATION	Hanging, rigid fixing or customised
CERTIFICATIONS	CE, RoHS
EMISSION	Spectrum dependent up to 2.7 $\mu\text{mol/J}$
WATERPROOF	IP65
BEAM ANGLE	90°
WEIGHT	N.W. 1.25 kg; G.W. 1.55 kg
HEATSINK	Passive cooling with high thermal conductivity

Hikrop 360



Hikrop 240



Hikrop 180



Hikrop 120



Hikrop 60



KROPTEK SUNSTREAM SERIES



Can be combined for a multi-wattage solution from 250W to 1000W.



Plug and Play installation with series easy-connect system.



Scientifically proven broad spectrum emitting up to 2.7 $\mu\text{mol/J}$. Optional bespoke spectrum to suit different plant and crop types.

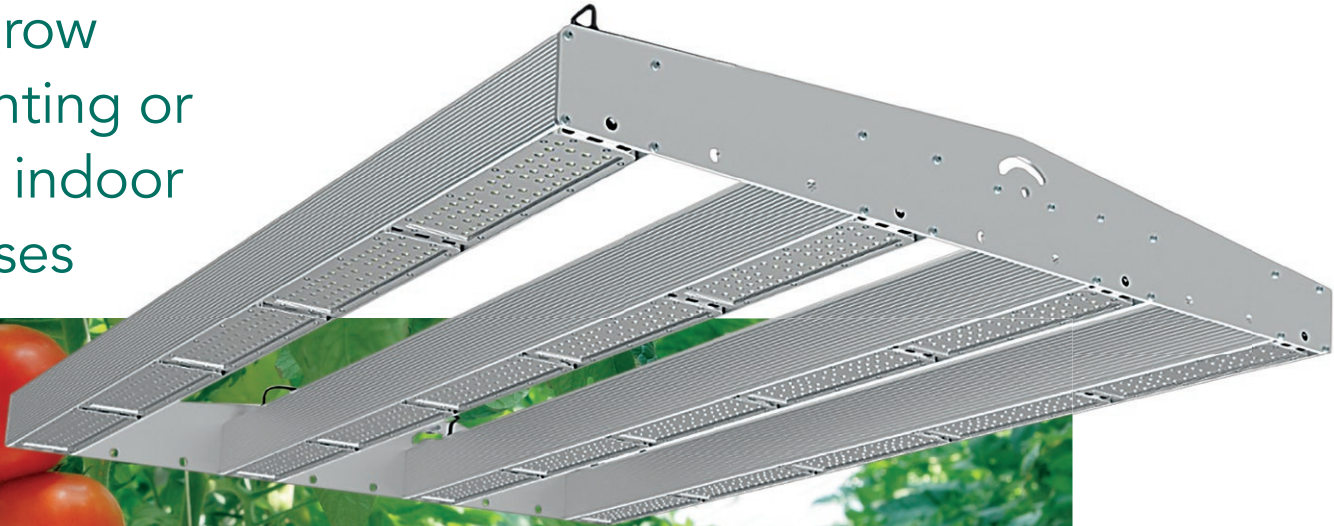
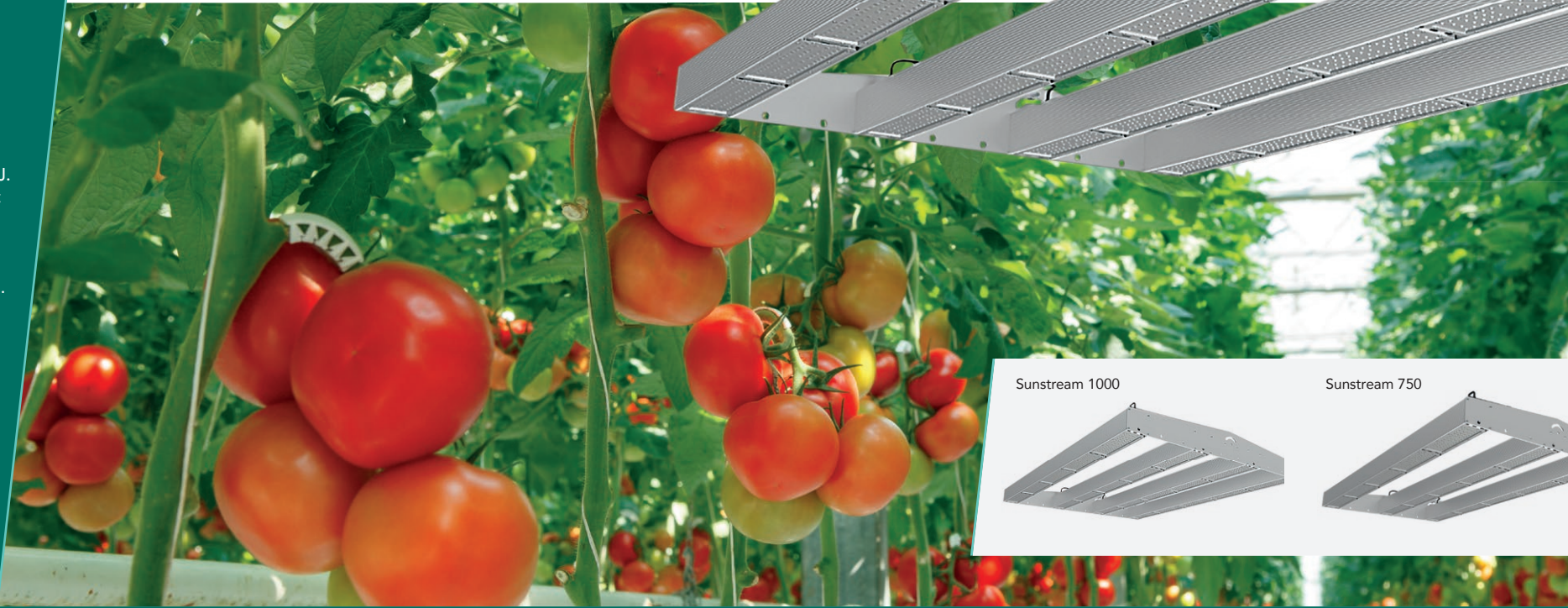


Rotating arms allow light direction.



High power-factor driver with optional dimming function to suit client needs.

The high-powered LED grow light designed for top lighting or supplementary lighting in indoor grow rooms and glasshouses



ACTUAL POWER	250W
WARRANTY	5 Years
SPECTRUM	Proven spectrums available or customised as required
INPUT VOLTAGE	120-277 VAC, 50/60 Hz
SIZE	L1421 x W93 x H115mm
COLOUR	Silver
INSTALLATION	Hanging, rigid fixing or customised
CERTIFICATIONS	UL, ETL, CE, RoHS
EMISSION	Spectrum dependent up to 2.7 $\mu\text{mol/J}$
WATERPROOF	IP65
BEAM ANGLE	90°
WEIGHT	N.W. 6.5 kg; G.W. 7.4 kg
HEATSINK	Passive cooling with high thermal conductivity

Sunstream 1000



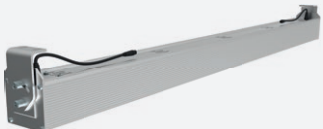
Sunstream 750



Sunstream 500



Sunstream 250



KROPTEK LED TUBE



Wattage options from 12W to 30W and multiple sizes from 2ft (60cm) to 6ft (180cm).



2 models available: mains power in/out or retrofit.



Mains power-in and power-out for connectivity and easy installation.



Easy retrofit: can be installed in fluorescent tube fixtures without modification.



Scientifically proven broad spectrum emitting up to 2.7 μmol/J. Optional bespoke spectrum to suit different plant and crop types.



Low cost.

The lightweight yet powerful solution for indoor and vertical tiered farms



Mains in/out model
Can be series linked
up to 10 units

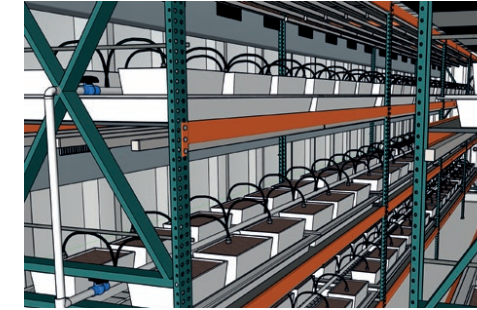


ACTUAL POWER	12W, 18W, or 30W
WARRANTY	5 Years
SPECTRUM	Proven spectrums available or customised as required
INPUT VOLTAGE	120-277 VAC, 50/60 Hz
SIZE	60cm-2ft, 120cm-4ft, 180cm-6ft *T8 Si
COLOUR	White
INSTALLATION	Hanging, rigid fixing or customised
CERTIFICATIONS	ETL, CE, RoHS
EMISSION	Spectrum dependent up to 2.7 μmol/J
WATERPROOF	IP65
BEAM ANGLE	120°
WEIGHT	0.19kg – 0.75kg
HEATSINK	Passive cooling with high thermal conductivity

KROPTEK CONTAINER FARMS AND INDOOR FARMING SOLUTIONS

We offer comprehensive controlled environment solutions for a variety of crop types.

From vertical farm equipment to plug-and-play automated container farms, we provide infrastructures and smart tools to facilitate and optimise indoor growing for both commercial farming and research purposes.



KROPTEK INDOOR GROWING SOLUTIONS

Our container farms and state-of-the-art indoor farming equipment include: LED lighting, fixed or mobile grow shelves, hydroponic systems and fully automated climate and nutrient controls.

Our solutions are designed to be flexible, modular, scalable and tailored to your needs.



CUSTOMISED SOLUTIONS

Our product development team can provide customised solutions which are high quality and cost-effective in a short space of time. Always according to your crop type and environment.

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