

KROPTEK LED GROW LIGHT SYSTEMS

Energy-efficient solutions to maximise crop yield and quality all year round.
We have a LED light solution whatever your crop type, growing environment and budget.



SUNBLAST SERIES

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



HIKROP SERIES

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



SUNSTREAM SERIES

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



LED TUBE

The lightweight yet powerful solution for indoor and vertical tiered farms

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 $\mu\text{mol/J}$
WATERPROOF	IP65
BEAM ANGLE	120°
WEIGHT	0.19kg – 0.75kg
HEATSINK	Passive cooling with high thermal conductivity

BROAD-SPECTRUM LED EXPERTISE



Kroptek offer proven-performance, broad-spectrum light recipes. Our aim is to optimise the development and maximize yield of a large variety of crops, at all stages of the growth cycle.

Kroptek prioritises natural daylight replicating full-spectrum options. We also develop more targeted spectrum alternatives on demand.

As studies increasingly prove that plants benefit from grow lights designed with broad or full-spectrum light recipes, our LED spectrum offer goes beyond the narrower blue and red light combination which growers are familiar with.

Most of our light recipes include green light, which positively impacts plant health. Some spectrum options go beyond the visible spectrum with a small dose of UVs which can boost the natural production of terpenes, THC and CBD in cannabis plants.



Over 10 years of experience with LED grow lights



Proprietary broad-spectrum light recipes



Integrated R&D, manufacturing and light planning



Series connection options for modular and scalable wattage



Certified quality (even in harshest environments) with up to 5 years warranty

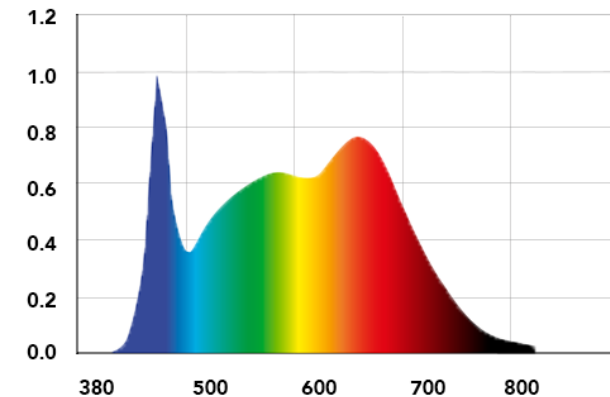
OUR DEFAULT SPECTRUM -- suitable for all growth stages and applications

SPECTRUM KP4: General daylight

To develop KP-4, we integrated the findings of various studies and trials on the understanding of PAR and peak absorption rates of chlorophyll A, B, and beta-carotene. We also took into account the benefits of light frequencies falling outside of the PAR (Photosynthetic Active Radiation) range such as Far Red and UV wavelengths.

Our 'Red:Far Red' ratio also prevents stems from growing too much and remain compact. The integration of a small percentage of UV light helps speed up the germination process and increase root mass, improves resistance to insects, bacteria and fungus and contributes to tastier and more fragrant plants.

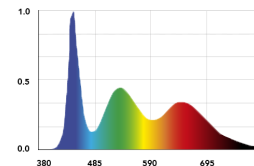
With its high CRI rating over 95, KP-4 also offers an exceptionally pleasant work environment for indoor growers. It has been proven to exceed HPS plant growth in a like-for-like setup.



OUR ON DEMAND SPECTRUM OPTIONS -- all subject to MOQ

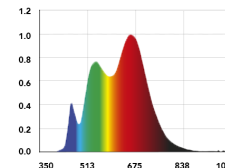
SPECTRUM KP1

A higher-blue spectrum, ideal for the vegetative growth stage of any plant species. Creates increased root growth, biomass, strong cellular growth in the leaf and a deep green colour. Ideal for early stages of plant growth in an indoor grow room.



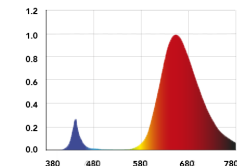
SPECTRUM KP2

This is a high-red, mid-blue spectrum that is ideal for the blooming stage of a plant. It will create fast growth, stretching and quick flower and fruit formation. Ideal for the second stage of a plant's growth.



SPECTRUM KP3

A high-red spectrum, specifically designed for fruiting or flowering crops as a supplement to sunlight in greenhouses. Ideal as a "hybrid" solution when installed alongside HPS lights to boost flowering or fruit speed. Ideal for tomatoes, strawberries and cut-flower glasshouses.



SPECTRUM KP8

Our broad spectrum high red light ideal for flowering and fruiting crops in fully enclosed grow facilities. Also ideal as a supplemental light in glasshouses. Increases crop yield.

