

HELLION Variable Spectrum III LED



1000W

700W

500W

GROWER'S GUIDE

3.1 $\mu\text{mol/J}$

3 Channels

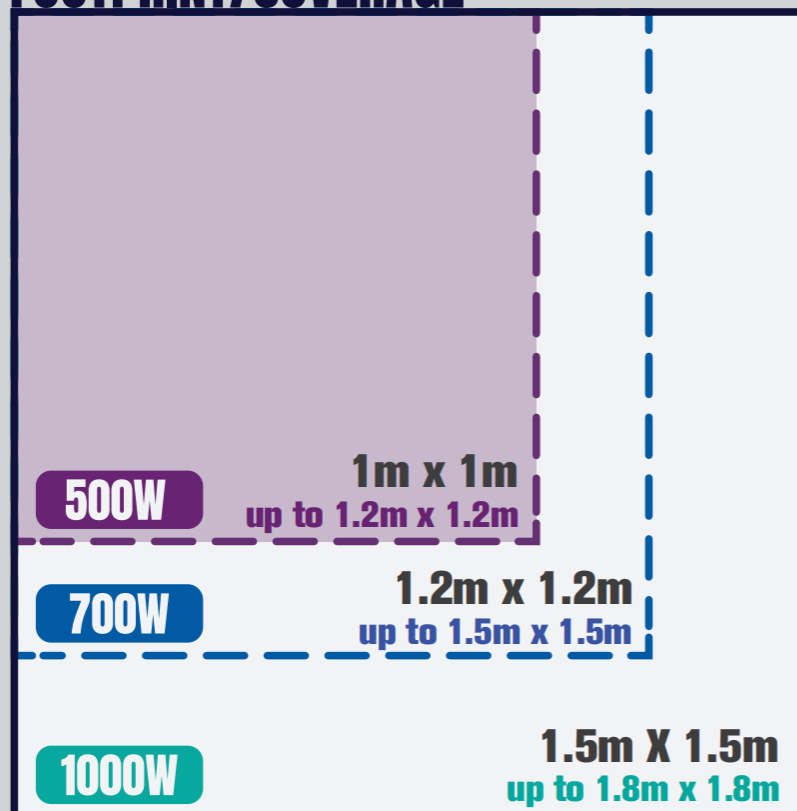
RJ11 Port for Group Control - see Controller Guide

Congratulations on choosing a HELLION VS3 Horticultural LED—the ultimate combination of power, efficiency and versatility. We've made this grower's guide as simple and concise as possible so you can get growing in just a few minutes!

Please refer to the enclosed Instruction Manual before assembling your LED fixture. After assembly is complete, double-check that each LED bar is fully seated (clicked in properly) before connecting to mains power supply.

Check the Recommended Footprint and Minimum Hanging Height of your Fixture. We offer three different HELLION VS3 LED models: 500W, 700W and 1000W. Check that you have adequate space (both vertically and horizontally) for your grow light.

FOOTPRINT/COVERAGE



MINIMUM HANGING HEIGHTS

500W

700W

1000W

45-50cm

NB: All models can be operated at 30-45cm when dimmed to 75% or less.

DIALING IN THE PERFECT SPECTRUM

All HELLION VS3 LEDs are equipped with 3 x independent channels (VEG,BLOOM,UV) for spectral diversity and control.

The VEG channel is full-spectrum, rich in Blue. BLOOM is also full-spectrum, rich in Red + Far Red, and UV provides UVA + Near Blue for a fine finish! Find your favourite mix or try our suggestions below.

PROPAGATION



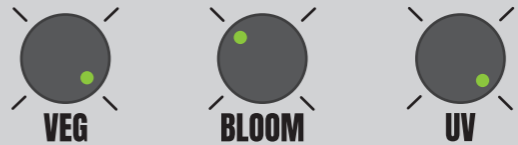
Gradually increase the intensity of the VEG channel as your plants develop. Some UV can help to strengthen seedlings and cuttings.

VEGETATIVE GROWTH



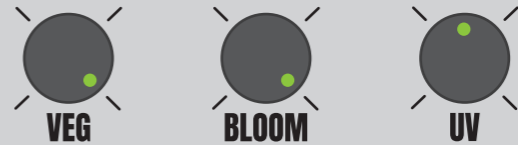
Blue-dominant spectrum helps to keep plants squat and bushy, making them easier to illuminate efficiently during the BLOOM phase.

VEGETATIVE TO BLOOM



Combining lower BLOOM with higher UV and high Veg can help to reduce unwanted internodal stretch. Try 20% more BLOOM if some stretch is desirable.

BLOOM



Increase BLOOM after the initial development of flowers. The extra Red and Far Red promote branching and help to increase flower size and density.

RIPENING / FINISHING



Additional UV during the final few weeks can help to boost flavours, colours and essential oils. Try leaving all channels on full and raising the fixture by 15-20cm if ceiling height permits.

SPECTRAL CHARTS

500W

PPF 1475 $\mu\text{mol/s}$

* BPF 1550 $\mu\text{mol/s}$

700W

PPF 2065 $\mu\text{mol/s}$

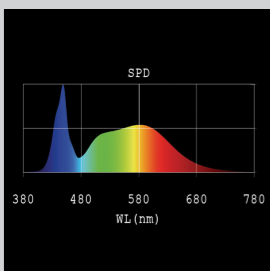
* BPF 2170 $\mu\text{mol/s}$

1000W

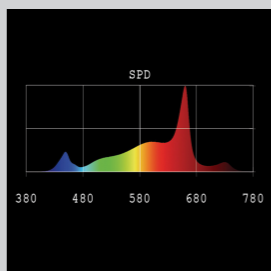
PPF 2950 $\mu\text{mol/s}$

* BPF 3100 $\mu\text{mol/s}$

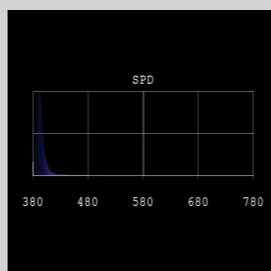
VEG CHANNEL ONLY



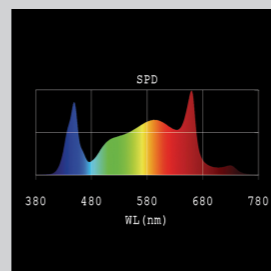
BLOOM CHANNEL ONLY



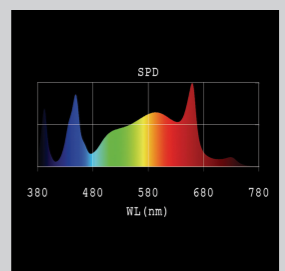
UV CHANNEL ONLY



VEG+BLOOM CHANNELS



VEG+BLOOM+UV CHANNELS



*BPF (Bioactive Photon Flux/280 - 800nm) includes PAR + UV/Near Blue + Far Red/Near IR.

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