JumpLights

New!

VertPro900

PPE
2.80 µmol/J

PPF
2320 µmol/s

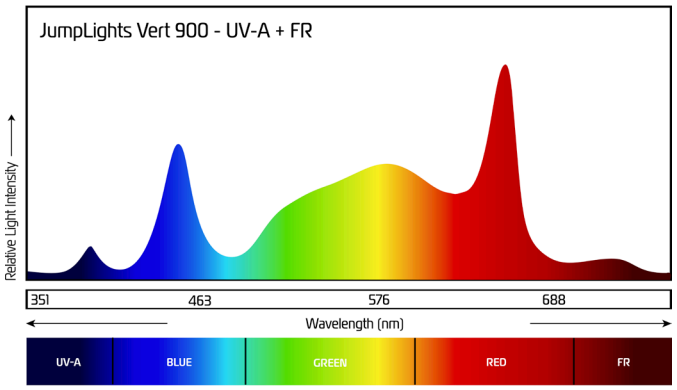
The multi-channel JumpLights Vert Pro 900 delivers over 2300 µmol/s of optimized output, giving multi-tier growers powerful performance with advanced control over how their plants grow.

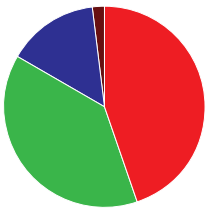
Designed for cultivators focused on maximizing yield and flower quality, this system combines high-intensity broad-spectrum output with programmable multi-channel precision.

Through independent Far Red and UV channel control, growers can strategically manipulate plant development throughout the growth cycle. Scheduled Far Red sessions enable phytochrome manipulation to shorten cycle times while promoting stem elongation and canopy expansion. Independently controlled UV adds targeted photons to stimulate secondary metabolite production, increase leaf heartiness, and support mold prevention, giving cultivators precise control over structure, resilience, and final flower quality.

Vert Pro 900 - Full Spectrum + UV-A + FR

Additional spectrum shown on page 3





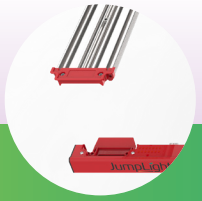
- Red **42%**
- Green **41%**
- Blue **16%**
- Far Red **1%**

Percentages reflect the Base Spectrum without UV or FR Channels turned on.

High Flower Output
Over 2,300 µmol of total PPF for full dense bud formation.

Scalable Control
Link and control up to 300 fixtures from a single controller.

Multi-Channel Control
Independently adjust spectrum to steer crops through each growth phase.



Easy to Service
Modular, field-swappable parts minimize downtime.

JumpLights

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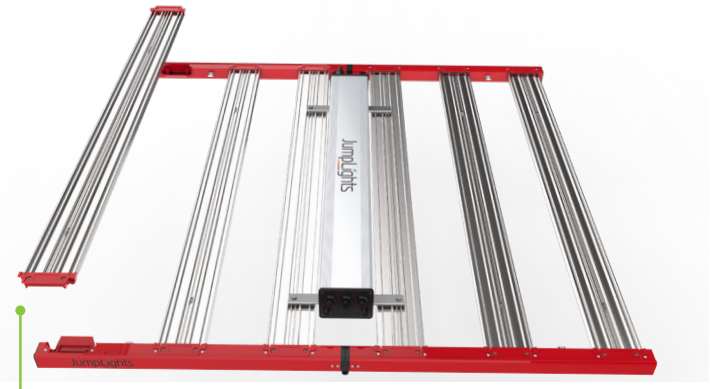
Designed, Assembled, and Tested in the USA

Key Benefits

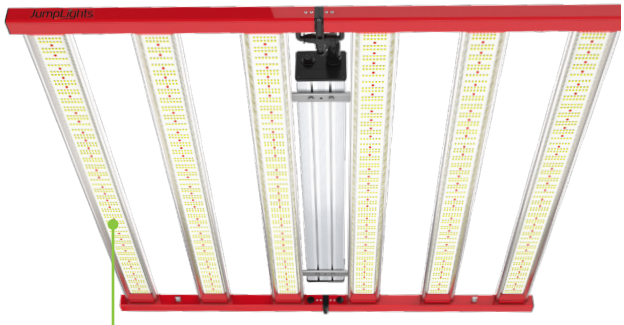
- High-intensity, high-efficiency output delivering over 2,300 µmol of total PPF for deep canopy penetration and dense flower development in stacked grow tiers.
- Multi-channel spectrum control with independently adjustable white, UV, and far-red channels for precise control of flowering response, resin production, and finishing behavior.
- Balanced, photobleach-safe white spectrum paired with targeted UV and far-red to enhance trichomes, terpene expression, and canopy penetration without stressing plants.
- Modular, serviceable design with detachable Sosen drivers and replaceable light bars for maximum uptime and easy field repairs.



Modular Parts
Field-swappable parts minimize downtime.

Compact Design
Allows the fixture to collapse in half for easier shipping, storage, and installation in tight grow rooms.

Multi-Channel Control
Separate control of white, UV-A, and far-red light enables precise crop steering and flowering optimization.

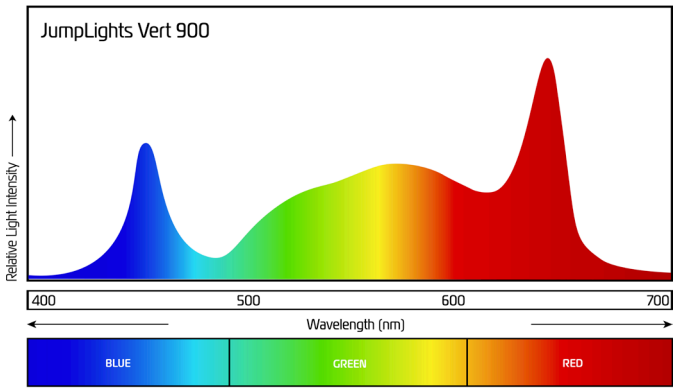


Purpose-Designed
Designed and optimized for multi-tier cultivation setups.

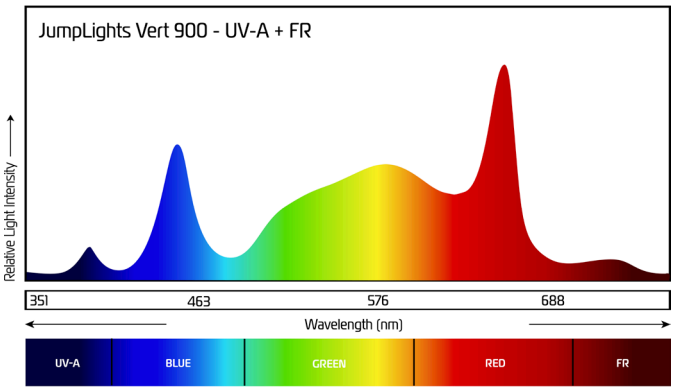
Vert Pro 900 Specification	
Model Name	Vert900-Pro
Efficiency (PPE)	2.8 umol/J
Light Output (PPF)	2320 umol/s
Spectrum	Multi-Channel
Voltage	100-277V AC 50/60 Hz
Power (Watts)	900W ±5%
Current (Amps)	3.77
Total Harmonic Distortion	<20%
Power Factor	0.99
IP Rating/Waterproof rating	IP65
Certifications	ETL, DLC Pending
Max Ambient Operating Temperature	40º C
Lifetime Photon Flux Maintenence L90	>50,000 hours
Lifetime of Driver/Light	>50,000 hours
Warranty	5 Years
Dimensions	43 5/16 in x 43 5/16 in x 4 3/4 in
Total Weight	~ 33.07 lb
Driver Type & Brand	Sosen LED Driver
Dimming Type	0-10V, RS-485
Dimming Connector	M12 Connector, Waterproof
Lighting Position/Use Case	Indoor Growing
Controlled Environment	Indoor stacked and non-stacked

Spectrum Options

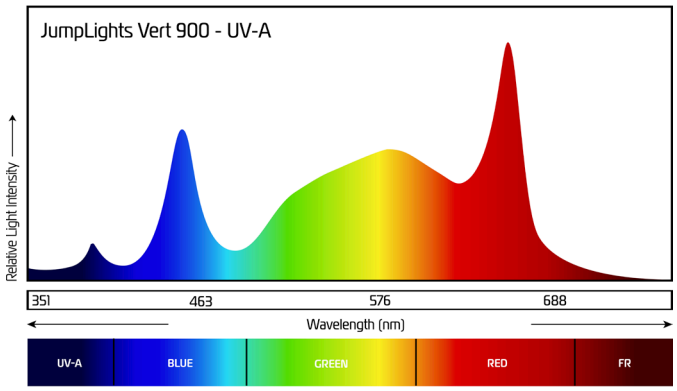
Multi-channel controls allow growers to independently adjust spectrum to steer crops through each growth phase.



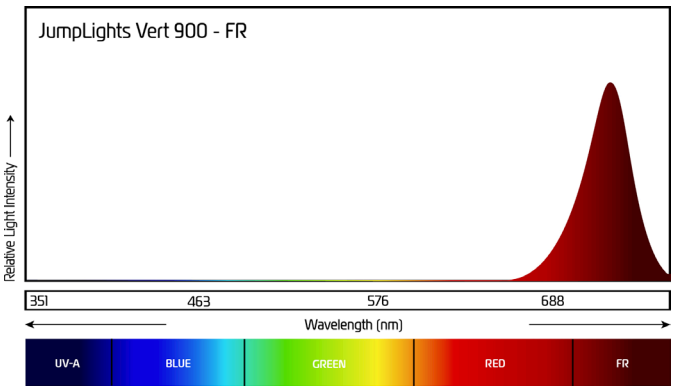
Base Spectrum (Full Spectrum)
This shows the light's spectrum when both Far Red and UV are turned off. It's an ideal balanced spectrum to deliver high yields and minimize photobleaching risk.



Base + UV + Far Red
This spectrum represents the fixture operating at full output with all channels activated. In typical cultivation settings, growers do not run every channel at maximum simultaneously.



Base + UV
This chart illustrates the spectrum with the base channels active and UV engaged during segmented UV cycles within the photoperiod. Targeted UV application can help reduce mold pressure and may stimulate increased trichome development and secondary metabolite production, such as terpenes.



Far Red
This spectrum depicts the dual Far Red pulses applied before and after the primary light cycle. Strategic Far Red pulses can promote faster flowering, increase plant height, and potentially enhance yield and flower size.

Intelligent Controller

Precision Control for Full Spectrum, IR & UV

Delivers programmable control of Full Spectrum (FS), Infrared (IR), and Ultraviolet (UV) channels with sunrise/sunset simulation, spectral time segmentation, and integrated temperature protection.

Advanced Channel Control

- Independent FS, IR, & UV channels
- 0–100% dimming per channel
- Real-time clock scheduling
- RS485 communication
- Remote control included

Thermal Protection

Auto Dimming: Adjustable temperature threshold and output reduction

Auto Shutoff: Adjustable high-temp cutoff

Operating range: 0–80°C (32–176°F)

Selectable °C / °F

Spectral Timing Examples

Sunrise / Sunset

Adjustable ramp-up and ramp-down transitions.

Far Red (FR)

1–240 minutes | 1–2 cycles per day

Operates before and/or after sunrise.

UV

1–240 minutes | 1–10 cycles per day

Evenly segmented across the photoperiod.

Example Lighting Recipe

FS: 07:00–19:00

Sunrise / Sunset: 30 min

IR: 30M / 2 cycles

UV: 120M / 4 cycles

FS Intensity: 100%

Example Lighting Schedule: