



Genesis Scientific



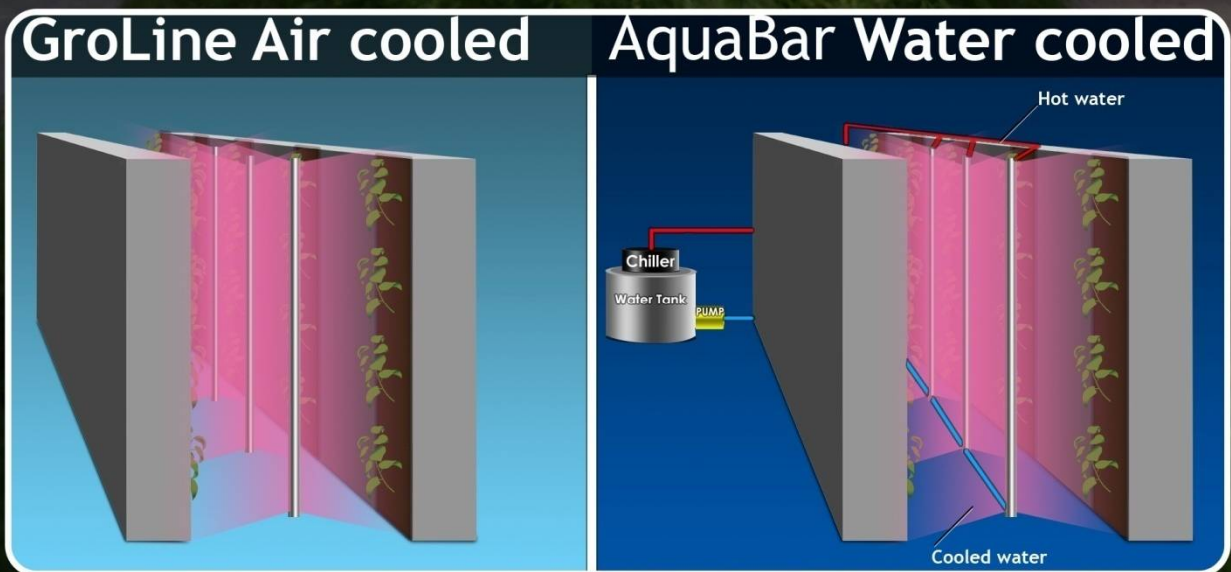
LED Lighting for Horticulture

Genesis Scientific Limited is a leading manufacturer of high quality LED lighting for indoor growing. We specialize in LED Grow Lights for vertical farms, greenhouses and indoor agriculture. The company was founded in 2012 by people who have a strong desire to bring something new in horticulture industry.



With our products we tried to cover all possible aspects of indoor growing. In our products we combine components from the best manufacturers with our innovative technologies to create the products which will change the face of indoor farming. We develop a strong relationship with our customers and change our products according to their needs. We also provide 3 year warranty policy, quickly react on any feedbacks and help customers make proper calculations and choose the right amount of LED Grow Lights.

Our company offers LED lighting fixtures for two main types of horticulture – vertical farms and greenhouses. Since we are the manufacturer we control the entire production process of LED lighting from the stage of components selection and ending with the final testing of finished products. The quality of our LED Grow Lights proven by many tests and confirmed by growers.



InterFlex LED grow system



Features

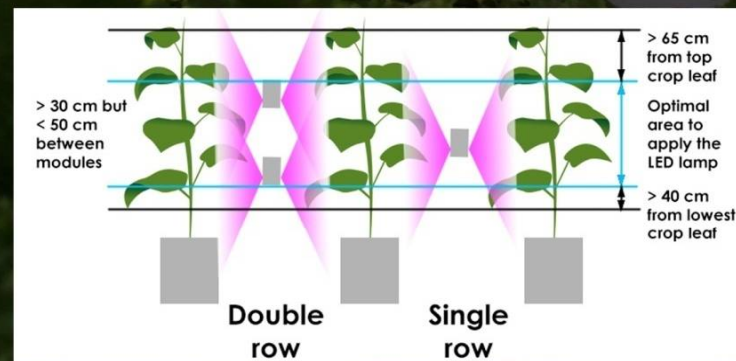
- Top performance LED chips from world's top manufacturer;
- Robust and reliable IP-65 solution for hard conditions;
- Wide spectrum from 2 to 9 bands available;
- Very wide angle emission ;
- Thick copper Flexible PCB;
- Flexible and low weight system to fit almost any project;
- Great for intercanopy lighting;
- Designed to ETL and GS safety standards;
- 2 years warranty

Application

InterFlex series LED grow light system is designed to supplement or substitute sunlight in plant growing applications when sunlight is absent or it is not enough for photosynthesis. It can function as a single light source or serve as supplement or substitute to HPS lighting.

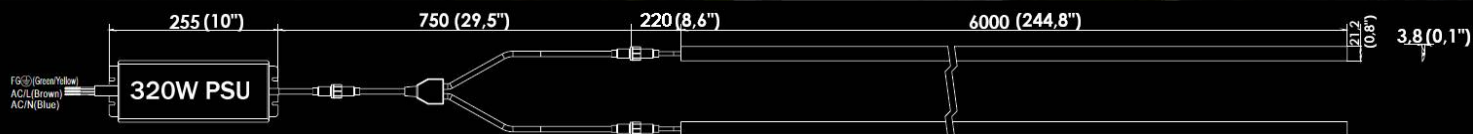
Spectrum of InterFlex series is ideal for all stages of growing of leafy greens, strawberries, tomatoes and cucumbers and also can be used both in hydroponic and in the soil growing. InterFlex series LED is the best solution for intercanopy lighting for high plants like tomatoes and cucumbers.

System can be mounted onto any standard U or H shaped aluminum profiles with cable ties and placed in plant canopy horizontally or hang vertically aligned to grow towers or rows.



Specification

The InterFlex series LED grow light system consists of InterFlex LED light strip, connectors and power supply unit.



InterFlex Flexible LED strip:

Electrical

- Input voltage: 48VDC;
- Rated power: 156W

Optical

- Emission angle: 120 degrees;
- Spectrum: from 2-band to 9-band available;
- PPF: 56 μ mol/m²s at 30 cm distance

Mechanical

- Dimensions, mm: 6220x21,2x3,8;
- Dimensions, inch: 244,8" x0,8" x0,1"
- Weight, kg: 0,3;
- Weight, lbs: 0,66

Environment

- Ingress protection: IP-65;
- Working environment: -20 +40 deg. C

Ordering Information:

Example: IF-6000-156.3250.48-120.C2.370-F

Series	Length, mm	Power			Optical			Connection
		Rated power, W	Current, mA	Voltage, VDC	Angle, deg	Spectrum	PPF	
InterFlex IF01	6000	156	3250	48	120	C2	370	F- final

GENESIS SCIENTIFIC LIMITED

www.gs-horti.com