

For indoor Farming Vertical Farming with LED Lighting Plant Factory

Keystone Technology Inc. developed specialized LED lighting system for plant cultivation. Our lighting system can change a wavelength to suit a growing stage.

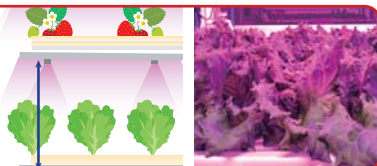
As a result, vegetables can grow with high-quality and rich of functional nutrient effectively.

Our equipment with a special heat exchange unit enables a longer-life light and a greater efficient energy usage.

AGRI-Oh V

- 5 Layers Hydroponic Cultivation Unit
- Harvest carefully and produce high-quality
- Maximum yield capacity of leaf lettuce = 1,500 pcs/month ※ 2-week harvest cycle

Suitable for
20~25cm
(7.87~9.84in.)
of plant height.



Benefit

- Pesticide Free.
- Low Total Energy and Low Cost of operation.
- 1/25 less Water Usage than traditional farming.



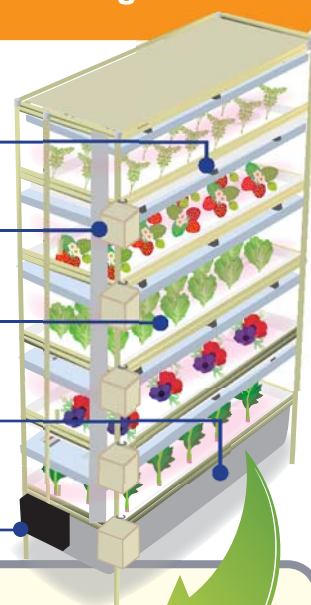
LED Plant Grow Light Unit

Water-cooled LED Heat Exchange Unit

Hydroponic Cultivation Unit

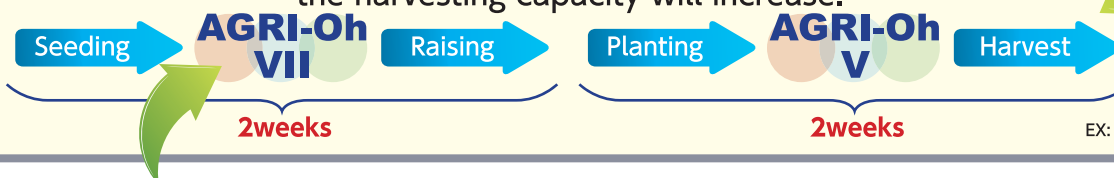
Nutrient Solution Tank with Water Circulation Pump

LED Controller



Recommendation for plant factory

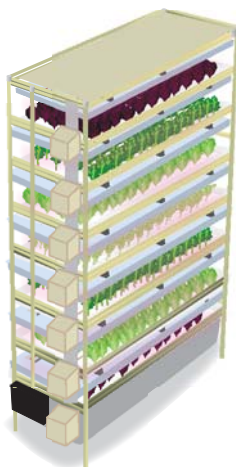
A combination of "AGRI-Oh V" for producing vegetables and "AGRI-Oh VII" for seedling, the harvesting capacity will increase.



AGRI-Oh VII

- 7 Layers Hydroponic Cultivation Unit
- Ideal for microgreens and producing seedling
- Maximum seedling capacity = 21,000/month ※ 2-week cultivation cycle

Suitable for
7~10cm (2.75~
3.93in.) of plant
height as seedling.



AGRI-Oh IV

- 4 Layers Hydroponic Cultivation Unit.
- Lower height type of AGRI-Oh V
- Available to install the equipment anywhere in a room having a height of the ceiling less than 2.4m (94.5in.)

Suitable for 20~25cm (7.87~9.84in.)
of plant height.



Product Name	AGRI-Oh IV	AGRI-Oh V	AGRI-Oh VII
Model Number	LSC-W401-04	LSC-W501-04	LSC-W701-04
Net Weight	100kg (220lb)	120kg (265lb)	160kg (353lb)
Size (WxDxH)	2,000×800×2,100mm (78.7×31.4×82.6 in.)	2,000×800×2,415mm (78.7×31.4×95 in.)	2,000×800×2,415mm (78.7×31.4×95 in.)
Power Consumption	1~1.5kWh/unit (Max)		
Cultivation Method	Hydroponics (Deep Flow Technique)		
Liquid Fertilizer	VEG Solution (Own products)		

<LED lighting source>

Controller	Independently-controlled R/G/B ※ Suitable controller : HAC-M801 (Own products)
Timer	Independently settable of R/G/B, 5 on/off settings per day
Cooling Method	Built-in Water Cooled Heat Exchangers