

**RADIX** SERIES

**MODULARIZED VERTICAL HYDROPONIC SYSTEM  
BROCHURE**

**FRUIT MODULE**

**SANANBIO**



**AGBIOSUPPLY**  
YOUR LAB PARTNER IN GROWTH

# RADIX <sup>SERIES</sup>

## Modularized Vertical Hydroponic System

Easy Assembly & Disassembly | Configurable Spacing  
Adjustable Water Level



reddot award 2019  
winner



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Rapid Dismounting and Assembling, Concealed Water Route & Wiring, RADIX redefines growing systems - building plant factory as easy as building Lego.



More information: [www.agbiosupply.com](http://www.agbiosupply.com)

# RADIX Crops



## Cherry tomato

single fruit weight: 15g  
growth period: 155 days  
annual yield: 60kg/set



## Sweet pepper

single fruit weight: 120-200g  
growth period: 130 days  
annual yield: 100kg/set



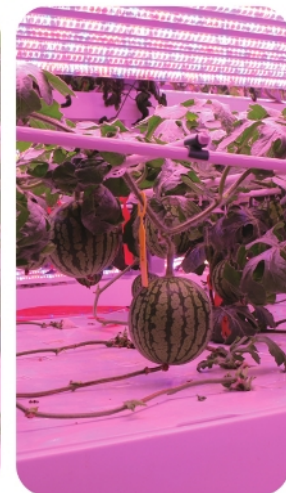
## Cucumber

single fruit weight: 95-110g  
growth period: 155 days  
annual yield: 270kg/set



## Watermelon

single fruit weight: 1200g  
growth period: 110 days  
annual yield: 160kg/set



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# Configurable Spacing

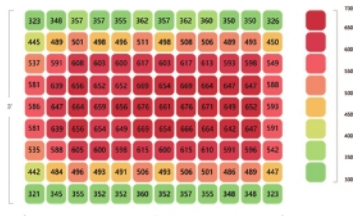
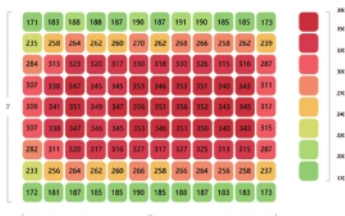
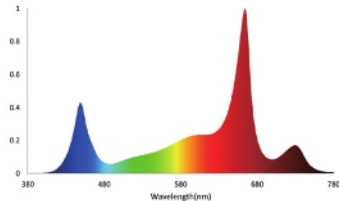
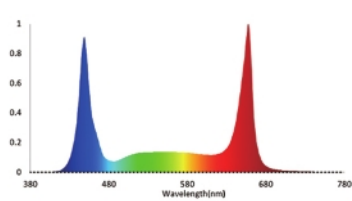
2 light-to-bed heights ready to be used for a variety of crops: Propagation Fruit Module and Vegetative Fruit Module.  
It takes 30 minutes and 2 people to assemble/disassemble a RADIX with no special skills or tools needed



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# Independent Lighting System

SANAN Optoelectronic proprietary chips and 80+ spectra optimizing plant growth of 160+ cultivars throughout their life stages. Spectrum and light model interchangeable.



## Skylark-GE Spectrum For Fruit

Power: 13.5 W  
 PPF: 36.5  $\mu\text{mol/s}$   
 Number of lights per layer: 8 pcs  
 Light-to-bed distance: 28 cm  
 Avg. PPFD: 295  $\mu\text{mol/s/m}^2$

## Skylark-VE Spectrum For Fruit

Power: 30 W  
 PPF: 69  $\mu\text{mol/s}$   
 Number of lights per layer: 8 pcs  
 Light-to-bed distance: 50 cm  
 Avg. PPFD: 540  $\mu\text{mol/s/m}^2$

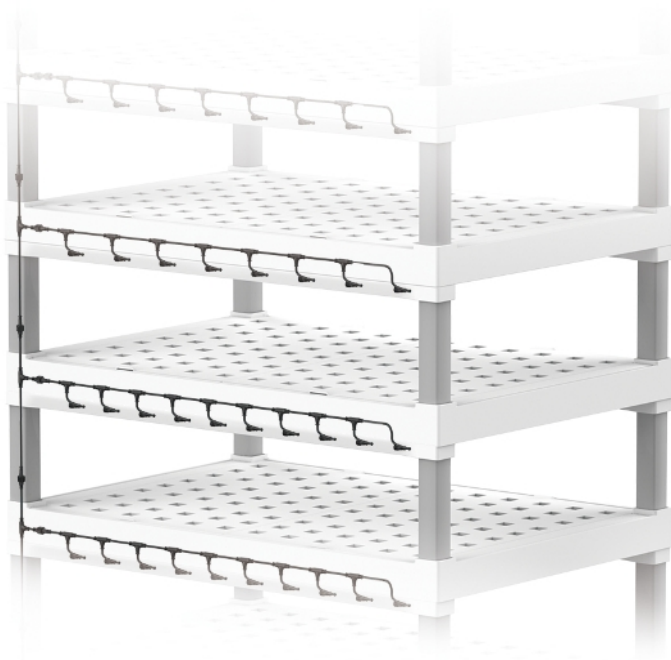


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SANANBIO Skylark Series: RADIX Buddy

# Concealed Wiring and Tubing

Made from insulants, Radix eliminates electrical hazards by concealing wiring and tubing in spacers and grow beds.



Wiring

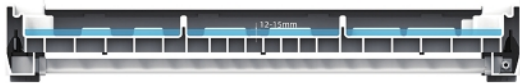
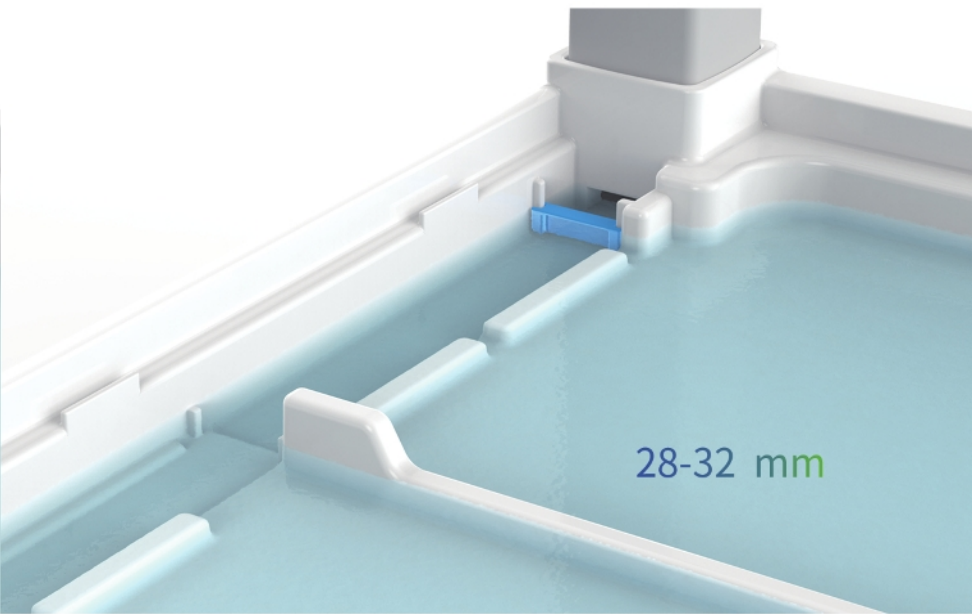
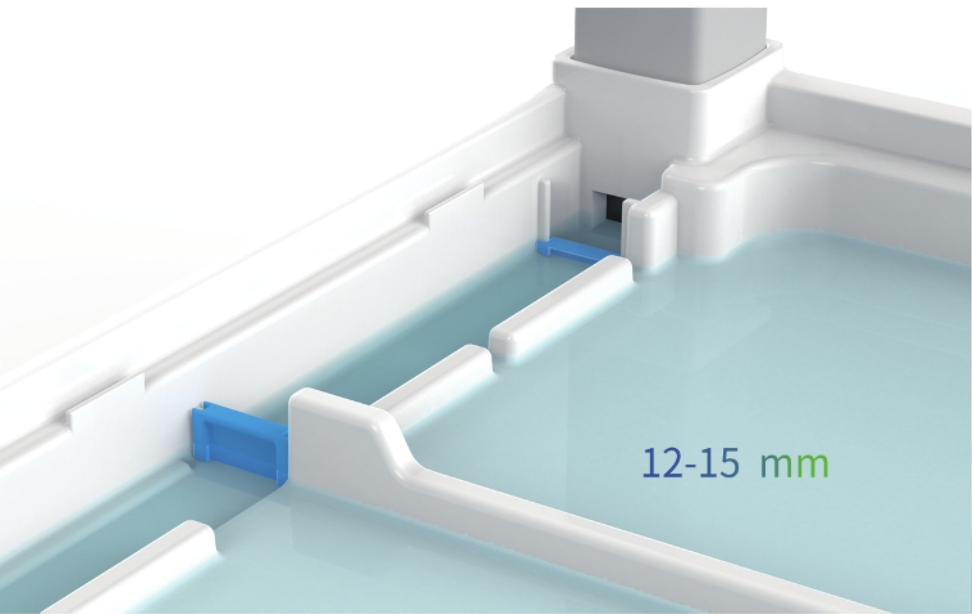


Irrigation

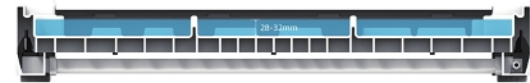
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# Adjustable Water Level

Retaining dams and flow regulators allow Radix to have a hybrid system of NFT & DWC with integrated gravity-driven water circulation that is convertible between shallow flow and deep flow.



Shallow flow



Deep flow

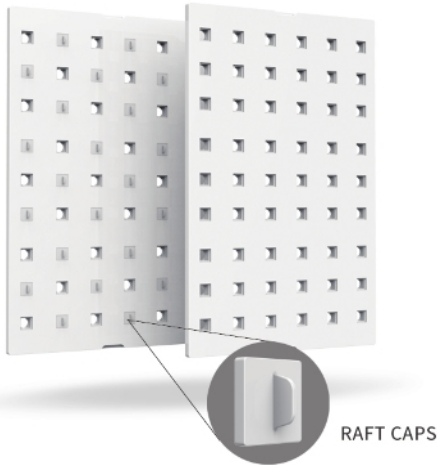
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# Accessories

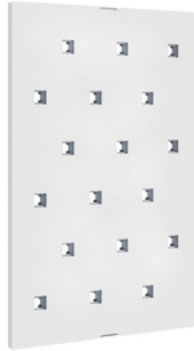
Supply accessories needed for the cultivation process - used with RADIX



**Germination Trays**  
for sowing to propagation stage



**54-hole raft**  
for the propagation to vegetative stage



**18-hole raft**  
for the late vegetative stage



**Support rack**  
for the late vine winding and fixing

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# Recommended planting density for each stage

Adjust planting density by raft caps to improve cultivation space utilization at different grow stages.



**Seedling Stage**

13-15 days

**600 plants per raft**

Propagation Module



**Propagation stage**

20-40 days

**27 plants per raft**

Propagation Module



**Vegetative stage**

40-120 days

**3-4 plants per raft**

Vegetative Module

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# Specifications

Product Name	RADIX Fruit Module
Dimension (L*W*H)	1346*942*(2320-2430) mm
Raft quantity	6 rafts/ 3 layers / 10 rafts/ 5 layers
Growing Surface	3.24m <sup>2</sup> / 6.48 m <sup>2</sup>
Light to Bed Height	280mm / 500 mm
Plant Sites/Raft	18 holes / 54 holes
Number of Lights	24 pcs / 40pcs ( 8 pcs/layer)
Avg. PPFD	250μmol/s/m <sup>2</sup> / 550 μmol/s/m <sup>2</sup>
Voltage	CN&EU 220-240 V~ 50/60 Hz UL 100-277 V~ 50/60 Hz
Power	540 W / 720 W
Grow Light Lifetime	50000 hrs
IP Rating	IP 65
Net Weight	<150 kg
Material	PP



## Packing List

1.Radix 2.User Manual 3.Certification

More information: [www.agbiosupply.com](http://www.agbiosupply.com)

GLOBAL PHOTOBIO TECH SUPPLIER



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