

# Growth Cabinet



## Product information

Food Autonomy Growth Cabinet is a hydroponic based, sophisticated unit which provides you with the freshest microgreens, leafy greens, herbs, fruits and more all year round.

The variable LED grow lights, the automatically controlled temperature, ventilation and nutrient dosing system ensures the optimal ecosystem for your plants.

Once connected to the innovative control system of our Growth Cabinet, you can remotely monitor and manage the LED grow lights and all environmental parameters to bring the best out of your cultivation. Food Autonomy Growth Cabinet is the ideal choice for places like restaurants, hotels, stores that are engaged in supplying tasty, healthy, pesticide-free food for their Customers.



### LED grow lights

Variable spectrum and light intensity



### Hydroponic system

Controlled nutrient dosing



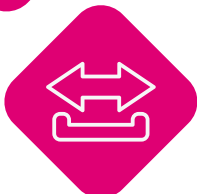
### Temperature control

Adjustable between 15-25°C



### Wireless control

Realtime monitoring & control over growth parameters



### Slideable trays

Ease of access to plants



### Ventilation

Enhanced transpiration

## Additional Features

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Plug-in cabinet - 230V / 50Hz</li> </ul>        | <ul style="list-style-type: none"> <li>• Internal and external panels of galvanized steel with hardwearing white powder-coated finish</li> </ul> |
| <ul style="list-style-type: none"> <li>• Fully transparent double-glass doors</li> </ul> | <ul style="list-style-type: none"> <li>• Built in aggregate for environmentally friendly R290 refrigerant</li> </ul>                             |
| <ul style="list-style-type: none"> <li>• Energy efficient fans</li> </ul>                | <ul style="list-style-type: none"> <li>• Power consumption: Cabinet - 450W, Lighting - 400W</li> </ul>   |

## Lighting Fixture Specification

Lighting in the growth cabinet is supplied by the highly efficient 4-channel Food Autonomy LED VF lightbars, which provide control over the mix of wavelengths and light intensity resulting in a dynamic lighting strategy. The lightbars produce no heat and give great light uniformity.

### Key product features

- High efficiency LED design, up to 3.03  $\mu\text{mol/J}$
- Variable spectrum with 4 modulable channels
- Ingress protection: IP65
- Passive cooling, remote driver
- Operating Environment: 0°C to 40°C
- L80/B50 50k h (Ta= 25 °C)
- 220-240V, 50-60Hz
- Impact resistant design made of plastic
- Regulatory approvals – CE, RoHS



## Food Autonomy Power Grow DALI control system

### Advanced Control

- Remotely operated innovative control system options
- Real time growing recipe management:
  - ✓ Pre-defined programs
  - ✓ Timed dimming
  - ✓ Grouped control
- 0-100% dimmability on each channel ensures most versatile spectral variants and wide range of PPF density

## Defining Recipes

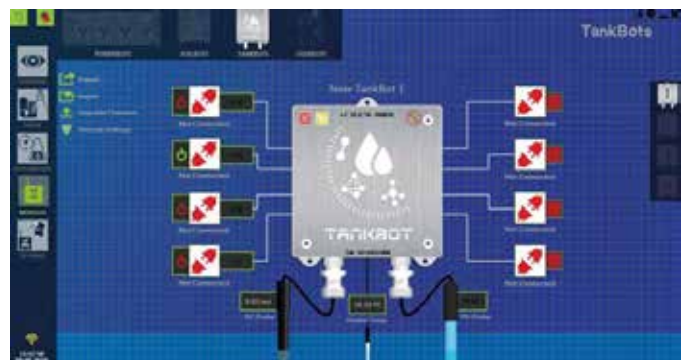


## Nutrient Supply System

GroLab™ Hydro Kit is a powerful grow controller enables users to monitor and automatically control the climate, lighting, irrigation, pH correction, nutrients dosing, and all the tank management tasks.

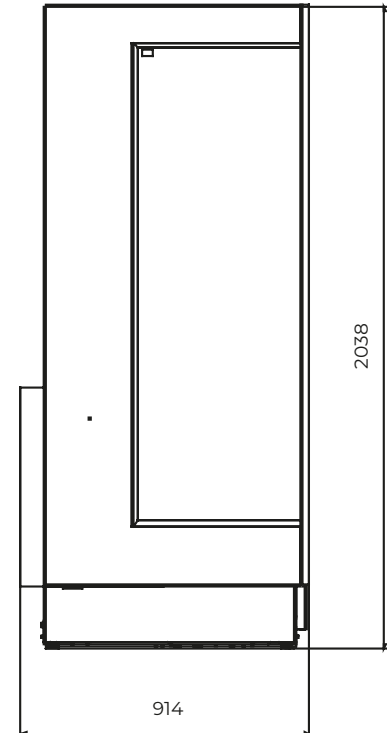
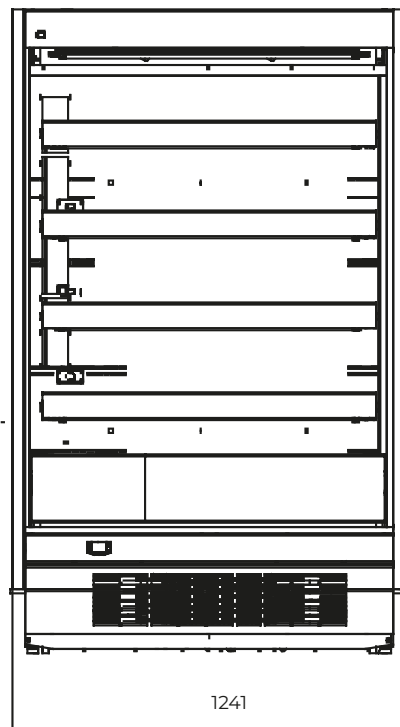
This kit also provides the necessary tools to create security systems to react and/or send notification if an issue is detected.

Remote control, real-time notifications, IP cameras integration are just some of the perks you get with GroLab™.



## Dimensions (mm)

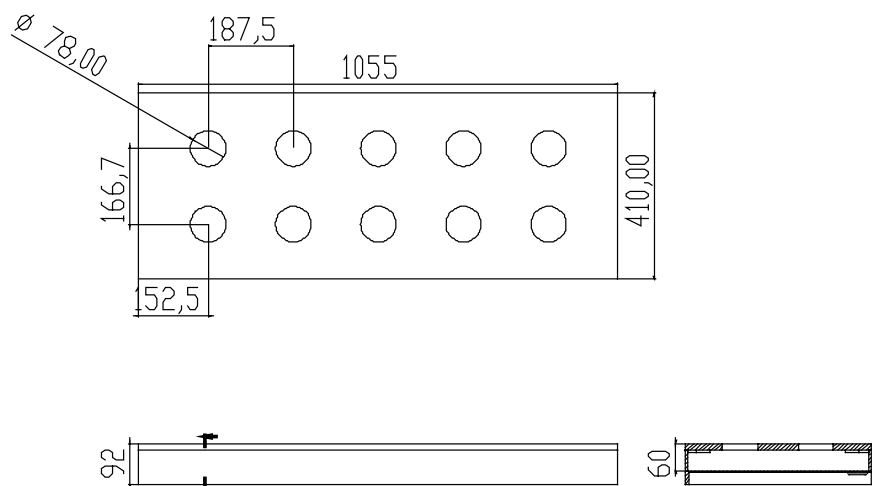
### Growth Cabinet



### Slideable trays

Number of trays: 4 pcs

Multi-hole lid - customizable



At Food Autonomy, we are constantly developing and improving our products. For this reason, all product descriptions in this catalogue are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, Food Autonomy cannot accept any liability arising from the reliance on such data to the extent permitted by law.

**Growth Cabinet Datasheet- June 2022**