



Fully integrated plant growth chambers with LED lighting system and climate control

KEYWORDS

Plant growth
Plant lighting

PATENT

Full specifications
Blueprints

LAB

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TECHNOLOGY

- Full specifications for climate-controlled growth chambers and plant shelves including suitable LED lighting
- Perfectly adapted to *Arabidopsis thaliana* and other lab plants up to 1.8m tall
- Complete blueprints for 10m² of operational plant culture



APPLICATIONS

- Indoor controlled plant growth
- Research and experimental plants

INNOVATION ADVANTAGES

- Ideal LED lighting for harmonious and natural plant growth
- Half the operating costs of standard growth chambers
- Optimal positioning of utilities and maintenance traps
- Improved access to plants and observational data
- Modular and removable shelf units

DEVELOPMENT STATUS

- Complete rehabilitation of plant growth area in IBMP in 2014
- Operational since 2014

Partnership: end-user standard licenses available based on the number of growth chambers planned