

Checklist

Plant and insect research



In order to advise you correctly and to be able to submit the desired offer for your specific need, we ask you, as far as possible, to answer the following questions. Thank you in advance. If you have any questions for answering the checklist, please contact us at +49 5145-28666-10.

▶ Contact data

Company _____

Name _____

E-mail _____

Phone no. _____ Country _____

Street _____ House no. _____

Postcode _____ Place _____

▶ Task

For which application is the system required?

Algae research

Arabidopsis

Entomology

Insect research

Germes

Plant growth

Other life science applications

▶ System design

Internal dimensions (minimum) _____ x _____ x _____ W x D x H in mm

Installation site (maximum) _____ x _____ x _____ W x D x H in mm

Insert dimensions (route to the installation location) _____ x _____ x _____ W x D x H in mm

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▶ Temperature range

with light

without light

Lowest temperature _____ °C

Maximum temperature _____ °C

▶ Humidity range

with light

without light

Humidity range _____ % up to _____ % relative humidity

▶ Other environmental conditions

CO²- Control

yes

no

1000 ppm

3000 ppm

5000 ppm

Should more parameters be controlled / measured?

▶ Usable space configuration

Cabinet or shelves levels

Entire storage area _____ m²

Number of levels _____ piece

Surface area per level _____ x _____ W x D in mm

Minimum height between levels from _____ mm to _____ mm

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▶ Type of light and intensity

Horizontal

Vertical

LED

Fluorescent tube

Metal halide

Maximum light intensity and spectral range

of _____ $\mu\text{mol}/\text{m}^2\text{-s}$ to _____ $\mu\text{mol}/\text{m}^2\text{-s}$

of _____ nm to _____ nm (wave length)

Irradiation height _____ mm

Number of irradiated levels _____ piece

Required growth surface area _____ m^2

Growth height per level from _____ mm to _____ mm

▶ Optional equipment

Water-cooled condensing unit

Temperature of on-site cooling water _____ $^{\circ}\text{C}$

Automatic irrigation valve

Observation window in the door

Condensation and fog simulation

Ventilation kit for algae research and hydroponic cultures

FDA documentation IQ / OQ / PQ

Cable gland NW 35 _____ piece

Lux Quantum Meter

Control and measurement data acquisition software

Additional temperature or humidity sensors

Deionising cartridge with conductivity measuring device

Factory calibration certificate

Temperature calibration value _____ $^{\circ}\text{C}$

Climate calibration value _____ % RH

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▶ Delivery

Ex works (EXW)

Delivered at place (DAP)

▶ Notes
