Small Plant Growth Chamber ＜See-Through Model＞

LH-120PFD-RD/RDCT

This small plant growth chamber (120 liters) which can utilize natural light. This model is most suitable for the experiments using both artificial and natural light.

Features

- This model is equipped with energy saving LED lamps with suitable spectral distribution for plant growth.
- Easy to observe the inside, with double insulated glass and 5-sided structure. Suitable for experiments of plants or insects.
- Three-position controller is used for temperature and humidity control, which provides energy-saving effects.
- Air circulation system allows good temperature distribution.

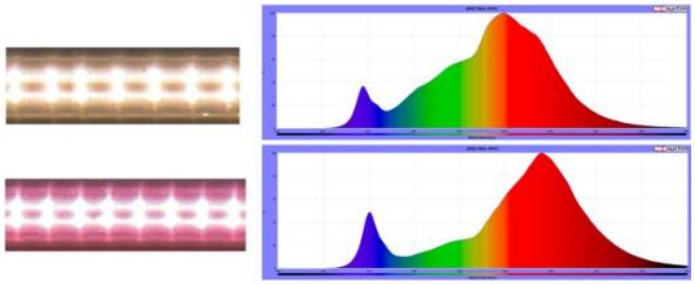
Applications

- Plant cell/tissue culture, germination, acclimation, or growth test
- Environmental resistance test for plants
- Insect experiment
- Environmental test

Options

- Outlet inside the chamber
- Measurement hole

LED Spectrum



Specifications

Model	Yellow LED	LH-120PFD-RD	LH-120PFP-RDCT
	Pink LED	LH-120PFP-RD	LH-120PFP-RDCT
Outer dimensions (mm)		W635×D602×H1,519	
Inner dimensions (mm)		W380×D418×H773	
Control system		Changeover between constant operation	Changeover between constant operation and day/night switching operation
Repeat		—	1 or 99 times or unlimited
Temperature		+5℃ to 50℃ ± 1℃ (+15℃ ~ when all lights on)	
Light source	Illumination	Straight tube LED lamp (PLANTFLEC) for plant growth	
	Number of lamps	Lef, right, and rear: 4 lamps (20W) x 3 sides, Ceiling: 4 lamps (10W) x 1 side	
Refrigerator		150W	
Heater		300W	
Shelf		4 shelves (adjustable)	
Operation current(maximum)		5.5A	
Power requirement		Single phase 100V 50/60Hz 15A	
Weight (kg)		About 90	

* Temperature sensor: platinum resistance temperature sensor.
*These chambers are designed to operate in ambient temperatures 15 to 30℃ in general. The specified performance may not be achieved depending on actual usage conditions.
*Depending on operating conditions, samples in the chamber may become dry.
*When lighting, temperature setting should be 15℃ or higher.
*The specified control accuracy for temperature and humidity applies when lights off.
*For long-term operation under conditions of high temperature and high humidity, please contact us for confirmation.

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