

Plant growth and germination cabinets are based on the cooled incubators detailed on pages 13 and 14. Day and night conditions are automatically simulated and can be easily programmed.

## Temperature Control

All plant growth cabinets use the same temperature control systems as the cooled incubators on which they are based. Temperature performance can be marginally affected during the "lights on" cycle due to a small amount of heat from the lights radiating into the growth chamber. The temperature is cycled using a 24 hour timer.

## Illumination

All models are fitted with a digital 24 hour timer to control the day/night cycle of lights on and off. Each incubator door is fitted with one pair of white fluorescent tubes. These give a lighting intensity of approximately 3000 lux on each shelf. For higher lighting intensities and specialised applications, extra lights or UV lamps can be added. All lights are mounted in the outer door which is vented at the top and bottom. This means that the unwanted heat can escape into the laboratory. Cabinets fitted with four or more lights in each door also have a small extract fan in the door to help remove heat. This helps to maintain stable control, especially at lower operating temperatures.

## High Humidity Models

Two models (SL2 & SL3) are sealed chamber versions of models PL2 and PL3 respectively and should be used for high humidity applications.

## Optional Extras

- Chart recorder.
- Audible alarm.
- Humidity control.
- Remote alarm contacts.
- Additional light available by quotation.

## Specification

Models	PL2 & SL2	PL3 & SL3	PL33	LT601L	LT1201L
Temperature* Range (Lights off) Range (Lights on) Control (Lights off) Variation (Llghts off) Refrigerant	0°C to +60°C +5°C to +60°C Typically ±0.2°C* Typically ±0.5°C* R12 or CFC -free			0°C to +50°C +5°C to +50°C Typically ±0.2°C Typically ±0.5°C R134a	
Timers for Cycling	Digital 24 hour as standard, (7 day alternative if specified)				
Construction Chamber Exterior Castors Access Port Insulation	Stainless steel White painted steel Optional Standard, 2 x 12mm CFC-free			Stainless steel Stainless steel Standard, lockable Standard, 12mm Foamed in place	
Chamber Capacity (litres)	150	320	730	600	1275
Dimensions (mm) - External H W D Max. Internal H W D	1075 635 660 590 510 490	1745 635 660 1275 510 490	1745 1270 660 1275 1140 490	1980 710 800 1480 590 650	1980 1420 800 1480 1300 650
Shelves Supplied	4	6	6	5	10
Weight (kg)	100	145	250	125	190
Power Rating (W)	900	900	1250	900	1700

\*Temperature specification for Models PL2 & SL2 at 20°C ambient.



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