![Australian Made logo]

STERIDIUM

Australia's premium manufacturer
of medical and laboratory products

Product Specification Sheet

Series	Plant growth chambers
	LED Lighting
	Temperature only
Model	pledt-500

500 litre LED plant growth chamber
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**500 litre LED plant growth chamber
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Chamber capacity	500 Litres
Chamber width	700 mm
Chamber depth	600 mm
Chamber height	1136 mm
Chamber material	Stainless Steel 304L
External width	866 mm
External depth	784 mm
External height	1815 mm
External material	Durable epoxy powder-coated steel
Recommended clearance	75mm on sides and rear
Temperature range	4 to 50C
Temperature sensor	Pt100
Control accuracy	0.1 C
Temporal stability	0.2 C
Available shelf positions	12
Shelves supplied	3
Shelf dimensions	690 x 590 mm
Shelf spacing	89 mm
Shelf capacity	50 KG
Insulation type	Mineral Wool - asbestos free
Insulation thickness	50mm
Compressor size	1/3 HP
Refrigerant	CFC-Free R134a
Lighting source	Waterproof LED - lighting directly above entire shelf
	Mounted in lighting cassettes - height adjustable
Growth height	90 - 270mm height from shelf to light source
Growth area	1.2m2 (3 shelf)
Maximum intensity	150µmol/m2/sec

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Lighting colours	Lighting cassettes comprised of any combination of: Warm White Cool White Red Green Blue RGB Combination—Variable spectrum
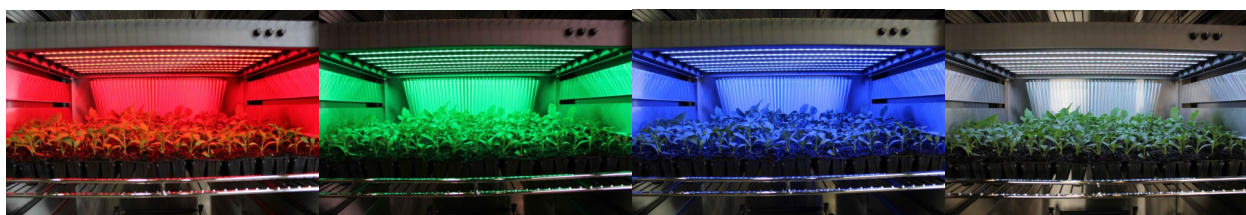
Electrical supply	Single phase, 220 - 240V, 50 - 60 Hz (alternatives available on request)
Element rating	1 kW
Circulating fan	1
Controller type Readout Temperature alarms Diurnal Control	Multifunction intelligent digital PID-microprocessor Digital LCD readout of set and actual temperature High | low | deviation Automatic switching between selected Day and Night Temperatures (and lights)
Country of origin	Australia

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Options / Accessories

- Additional shelves
- 8 Step programmable controller
- 500 Step programmable controller
- Inner viewing door - toughened glass
- Double glazed glass door
- Side access port - 50 mm
- Fan speed controller
- Internal power supply*
- RS232 or RS485 comms module
- Ethernet comms module
- ISPM 15 compliant crating for export
- Calibration certificate
- Co2 Control   (ambient to 3000ppm)

*Maximum temperature limited to 50C