



GENEVA SCIENTIFIC

LAB EQUIPMENT SOLUTIONS

INCUBATOR - I-66LLVL



Model	I-66LLVL
Exterior Dimensions (WxDxH)	66" x 33.6" x 77.2"
Temp. Range (w/ lights on)	4-44±0.5
Interior Space	62.4 cu.ft.
Total Shelving Floor Area	43.1 sq.ft.
Maximum Growing Height	11.25"
Light Intensity (6" from lamps)	230 micromoles/m2/sec
Number of Tiers	4

Applications

- *This chamber is frequently used for Algae, Cyanobacteria and other low light photosynthesis studies
- *Many other applications exist for this product

Percival's IntellusUltra Controller

- *Percival Scientific has built a reputation of providing flexible, customized options for research scientists around the world. We have taken the philosophy to the next level with our improved IntellusUltra Controller. Now choose from the levels of functionality that meet your needs.

IncuWhite LED lighting system

- *Linear LEDs vertically mounted and linear LEDs horizontally mounted in pairs above each shelf
- *Intensity programmable up to 230 μ moles/m2/s of light irradiance measured @ 6" from LEDs
- *Programming and control of the lighting is done via IntellusUltra real time controller
- *Dimmable between 5-100% output

Cabinet Construction

- *Interior constructed of 22-gauge electro-zinc plated steel
- *Exterior constructed of 18-gauge exterior electro-zinc plated steel
- *Welded seams and joints on outer and inner shells
- *Inner shell supported by non-compressing/non-thermal conducting material locking inner liner in place without a metal-to-metal bond to outer case
- *Chamber is completely self-contained
- *Overall wall thickness is 2"
- *One 1¼" diameter access port on R.H. wall
- *Chamber floor equipped with floor drain and hose assembly
- *Contains caster assembly and adjustable leveling legs to compensate for floor unevenness in the lab

Insulation

- *Woodless construction using CFC free insulation (overall wall thickness is 2", ample insulation for maintenance of stated temperature range)

Doors

- *Two door openings 29.1" x 57.5" provide full access to the chamber interior (magnetic gasket provides a tight seal to door frame)

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Interior Space

*62.4 ft³ (1.8 m³) with work area of 43.1 ft² (4 m²) provided on four tiers

Shelving

*Four tiers (8 shelves) of white epoxy coated steel wire shelving (each shelf is 27"D x 28.8"W)

*Shelves are supported by shelf clips allowing ½" vertical adjustments

*Maximum clearance between shelves is 11.25" per tier with all four shelves installed

Finish

*Interior and exterior painted with high reflective, environmentally friendly, high temperature baked white powder coating

Refrigeration

*Self-contained air-cooled condensing unit with hot gas bypass system for continuous compressor operation, extended life and close temperature control (this continuous running condensing unit ensures precise temperature control by alternating cycling refrigerant and hot gas to coil; this also prolongs life of compressor, and eliminates risk of ice build up in coil)

*Top mounted refrigeration system allows easy access for maintenance (e.g. cleaning)

*As heat is rejected, it rises and is dissipated into room without having any effect on inside temperature of cabinet

*Solenoid valves have extended stem for quiet and long life operation

*Ceiling mounted evaporator coils incorporate three air circulation fans in aluminum housing (heat rejection to ambient with standard chamber: 4341 BTU/hr)

Temperature Range

*4°-44°C (±0.5°C) lights on and 2°-44°C (±0.5°C) lights off

Temperature Safety Limit Controls

*Experiment Protection: Adjustable high and low temperature controls, audible alarms, and visual indicators provided

*Controls shut down all power to chamber, activating alarms (when the temperature returns to the normal range the system will automatically reset)

Electrical Requirements

*Consult Geneva Scientific for electrical requirements and amperage draw.

Popular options

*Phenolic Coated Coils

*Additive Humidity Control with Sensor

*Dehumidifier with Sensor

*IntellusUltra Connect

*Android-Based Touch Screen

*CO₂ Enrichment Package

*Self-Contained Water-Cooled Condensing Unit

*Dry Alarm Contacts

*Extended temperature ranges

*Convenience receptacles



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Laminar Flow Hood

CO₂ Incubators

Ultralow Freezers

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Specifications are subject to change without notice.
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