Illumination Chamber - LED Light Incubator - 6000 lx - 0 to 65°C - 173 to 516 L

Model **MSICB-L180BSWISS, MSICB-L290BSWISS, MSICB-L400BSWISS, MSICB-L520BSWISS** | Brand **Master Science**





The Master Science Illuminated Incubator combines precise temperature control with LED lighting for seed germination, seedling growth, microbial culture, BOD testing in water analysis and other constant temperature work. Light output reaches 6000 lx from one side and can be set in five levels.

KEY HIGHLIGHTS

- Light and temperature in one unit
- Adjustable light
- Efficient cooling
- Restart after outages
- Data on USB

AT A GLANCE

10 to 65 °C with lighting; 0 to 65 °C without lighting TEMPERATURE RANGE	**173 / 288 / 400 / 516 L** CAPACITY
1000 / 1000 / 1500 / 1500 W POWER CONSUMPTION	**0.1 °C / ±0.1 °C** DISPLAY / CONTROL ACCURACY

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Overview

Temperature runs from 10 to 65 °C with the lights on and from 0 to 65 °C with them off. Four sizes are available, from 173 to 516 litres.

For humidity control as well, see the Master Science constant temperature humidity chamber.

Key Benefits

Light and temperature in one unit
the Master Science Illuminated Incubator supports plant and microbial work.

Adjustable light
5 brightness levels up to 6000 lx.

Efficient cooling
SECOP compressor with CFC-free refrigerant.

Restart after outages
parameter memory.

Data on USB
records stored for reports.

Technical Specifications

GENERAL

General	Specifications of the Master Science Illuminated Incubator range (180 / 290 / 400 / 520):
Brand	Master Science
Model Number	MSICB-L180BSWISS, MSICB-L290BSWISS, MSICB-L400BSWISS, MSICB-L520BSWISS
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Capacity	**173 / 288 / 400 / 516 L**
Circulation	Forced convection, fan micro-airflow
Temperature Range	**10 to 65 °C with lighting; 0 to 65 °C without lighting**
Temperature Uniformity	±1 °C
Temperature Fluctuation	±0.5 °C
Illumination	6000 lx, single-sided LED
Light Control	5 levels
Controller	PID, 24-segment program, LCD
Compressor	SECOP, CFC-free refrigerant
Shelves	3, pull-out, adjustable
Test Port	Ø35 mm
Alarms	Over-temperature, probe failure

DISPLAY & DATA

Display / Control Accuracy	**0.1 °C / ±0.1 °C**
Data	USB storage

DIMENSIONS & WEIGHT

Internal Dimensions (W × D × H)	550 × 450 × 700 / 600 × 600 × 800 / 800 × 550 × 910 / 800 × 710 × 910 mm
External Dimensions (W × D × H)	700 × 840 × 1590 / 800 × 990 × 1690 / 1000 × 910 × 1800 / 1000 × 1070 × 1800 mm
Net / Gross Weight	165/209, 203/256, 218/278, 237/297 kg

POWER

Power Supply	1 phase, 220 V, 50 Hz
Power Consumption	1000 / 1000 / 1500 / 1500 W

HOW THE MASTER SCIENCE ILLUMINATED INCUBATOR HELPS GROWTH EXPERIMENTS	
Uneven light on samples	LED panel with set levels.
Temperature drift with lights on	PID control and fan circulation.
Lost programs after power cuts	memory resumes the run.
Manual data recording	USB storage.

Applications

The Master Science Illuminated Incubator is used for

Plant germination and seedling growth Microbial culture BOD determination in water monitoring Genetic engineering and medicine Agriculture, forestry, animal husbandry and aquaculture research

Lighting

- 6000 lx LED, single side
- 5-level control

Temperature

- PID with 24-segment program
- 0 to 65 °C (10 °C minimum with lights on)
- Fan for uniform temperature

Construction

- SUS304 rounded chamber
- Pull-out adjustable shelves
- Castors and Ø35 mm test port

Optional Accessories

- Independent external over-temperature protector
- Micro thermal or dot matrix printer