

Chamber Specification

Model	LC140B PRO	LC370B PRO	LC440B PRO	LC600B PRO	LC700B PRO	LC900B PRO	LC1200B PRO	LC1500B PRO	LC2300B PRO
Data Temperature									
Temperature range 100% illumination [°C]	-5+55								
Temperature range 0% illumination [°C]	-10+50								
Model	LC140S PRO	LC370S PRO	LC440S PRO	LC600S PRO	LC700S PRO	LC900S PRO	LC1200S PRO	LC1500S PRO	LC2300S PRO
Temperature range 100% illumination [°C]	0+55								
Temperature range 0% illumination [°C]	0+50								
Temperature uniformity with 100% illumination [± K]	1.5								
Temperature uniformity without illumination [± K]	1								
Temperature fluctuation wi- thout illumination [± K]	0.1								
Temperature fluctuation with 100% illumination [± K]	0.1								
Humidity data									
Humidity range [% RH]	10 to 98								
Humidity fluctuation	≤ 3 ± % RH								
Data Dimension									
Net Interior volume [L]	130	310	370	450	530	810	1020	1180	1830
Net weight of the unit [kg]	70	80	95	110	160	165	205	245	360
Interior Dimension									
Width [mm]	450	500	500	600	600	1100	1320	1320	2070
Depth [mm]	535	480	580	570	670	580	570	670	670
Height [mm]	520	1250	1250	1350	1350	1250	1350	1350	1350
Exterior Dimension									
Width [mm]	530	600	600	750	750	1200	1500	1500	2250
Depth [mm]	800	760	860	860	980	860	860	980	980
Height [mm]	940	1920	1920	2100	2100	1920	2100	2100	2100
Shelf Dimension									
Width [mm]	400	460	460	530	530	460	530	530	530
Depth [mm]	500	470	570	550	650	570	550	650	650
Main Door									
Number of Door	1	1	1	1	1	2	2	2	3
Interior Shelf									
Number of Shelf	1	2	2	3	3	6	6	6	9
Tube Lamp on Shelf									
Tube lamp per shelf	4	5	5	5	6	10	12	12	12
Tube Lamp on lateral inner Walls									
The installation of wall illumination reduces the useful width of the shelves: for 130,310,370,810 net volume size is reduced of 100 mm for 450, 530, 1020, 1180 net volume size is reduced of 60 mm									
Tube lamp per wall	8	8	10	10	12	10	10	12	12
Electrical Data									
Energy consumption at 37 °C with 100% illumination [kWh/h]	1.55	1.65	1.92	2.08	2.18	2.53	3.68	4.22	4.30
Rated Voltage [V]	220/240								
Power Frequency [Hz]	50								
Nominal Power [kW]	1.6								
Unit Fuse [A]	16								
Phase (Nominal voltage)	1~								

Daylamp Specification

Model									
Controller PRO	LDC140B PRO	LDC370B PRO	LDC440B PRO	LDC600B PRO	LDC700B PRO	LDC900B PRO	LDC1200B PRO	LDC1500B PRO	LDC2300B PRO
Controllers Day/Light	LDC140B	LDC370B	LDC440B	LDC600B	LDC700B	LDC900B	LDC1200B	LDC1500B	LDC2300B
Data Temperature									
Temperature range 100% illumination [°C]	-5+55								
Temperature range 0% illumination [°C]	-10+50								
Model									
Controller PRO	LDC140S PRO	LDC370S PRO	LDC440S PRO	LDC600S PRO	LDC700S PRO	LDC900S PRO	LDC1200S PRO	LDC1500S PRO	LDC2300S PRO
Controllers Day/Light	LDC140S	LDC370S	LDC440S	LDC600S	LDC700S	LDC900S	LDC1200S	LDC1500S	LDC2300S
Data Temperature									
Temperature range 100% illumination [°C]	0+55								
Temperature range 0% illumination [°C]	0+50								
Data Lamp									
Illumination on Shelf [W/m ²]	45	42	43	39	47	43	47	47	47
Illumination on Shelf [lx]	10.500	10.500	13.000	12.000	16.000	13.000	16.000	16.000	16.000

Biolamp Specification

Model				
Controller PRO	LBC700B PRO	LBC1200B PRO	LBC1500B PRO	LBC2300B PRO
Controllers Day/Light	LBC700B	LBC1200B	LBC1500B	LBC2300B
Data Temperature				
Temperature range 100% illumination [°C]	-5+55			
Temperature range 0% illumination [°C]	-10+50			
Model				
Controller PRO	LBC700S PRO	LBC1200S PRO	LBC1500S PRO	LBC2300S PRO
Controllers Day/Light	LBC700S	LBC1200S	LBC1500S	LBC2300S
Data Temperature				
Temperature range 100% illumination [°C]	0+55			
Temperature range 0% illumination [°C]	0+50			
Data Lamp				
Illumination on Shelf [W/m ²]	47	47	47	47
Illumination on Shelf [lx]	12.000	12.000	12.000	12.000
PPF or[μmol/m2s]	410	410	410	410
PPF or+vert[μmol/m2s]	780	780	780	780

Fluolamp Specification

Model									
Controller PRO	LFC140B PRO	LFC370B PRO	LFC440B PRO	LFC600B PRO	LFC700B PRO	LFC900B PRO	LFC1200B PRO	LFC1500B PRO	LFC2300B PRO
Controllers Day/Light	LFC140B	LFC370B	LFC440B	LFC600B	LFC700B	LFC900B	LFC1200B	LFC1500B	LFC2300B

Data Temperature									
Temperature range 100% illumination [°C]	-5+55								
Temperature range 0% illumination [°C]	-10+50								

Model									
Controller PRO	LFC140S PRO	LFC370S PRO	LFC440S PRO	LFC600S PRO	LFC700S PRO	LFC900S PRO	LFC1200S PRO	LFC1500S PRO	LFC2300S PRO
Controllers Day/Light	LFC140S	LFC370S	LFC440S	LFC600S	LFC700S	LFC900S	LFC1200S	LFC1500S	LFC2300S

Data Temperature									
Temperature range 100% illumination [°C]	0+55								
Temperature range 0% illumination [°C]	0+50								

Data Lamp									
Illumination on Shelf [W/m ²]	45	42	43	39	47	43	47	47	47
Illumination on Shelf [lx]	4.500	4.500	5.000	5.000	6.500	5.000	6.500	6.500	6.500
PPF or [μmol/m2s]	150	150	170	170	230	170	230	230	230
PPF or+vert[μmol/m2s]	260	300	360	360	450	360	420	420	420

Arablamp Specification

Model				
Controller PRO	LAC700B PRO	LAC1200B PRO	LAC1500B PRO	LAC2300B PRO
Controllers Day/Light	LAC700B	LAC1200B	LAC1500B	LAC2300B

Data Temperature				
Temperature range 100% illumination [°C]	-5+55			
Temperature range 0% illumination [°C]	-10+50			

Model				
Controller PRO	LAC700S PRO	LAC1200S PRO	LAC1500S PRO	LAC2300S PRO
Controllers Day/Light	LAC700S	LAC1200S	LAC1500S	LAC2300S

Data Temperature				
Temperature range 100% illumination [°C]	0+55			
Temperature range 0% illumination [°C]	0+50			

Data Lamp				
Illumination on Shelf [W/m ²]	44	44	44	44
Illumination on Shelf [lx]	15.000	15.000	15.000	15.000
PPF or [μmol/m2s]	520	520	520	520
PPF or+vert[μmol/m2s]	930	930	870	930

Note

For all type of lamp the humidity data is: Humidity range [% RH] 10 to 98, Humidity fluctuation ≤ 3 ± % RH