


MET® (NRTL) Listed, UL-61010
ES2000 Upright Photostability Specifications

Temperature Uniformity Lights On and Off	± 2.0°C (± 3.6°F)	Humidity Uniformity Lights On and Off	± 5% RH
Light Uniformity	±10% over usable shelf area	Light Sensor Control	±1% of Setpoint
Interior Dimensions W x D x H	34.0" x 28.5" x 60" (87 cm x 73 cm x 153 cm)	Exterior Dimensions W x D x H	41.0" x 34.5" x 91.5" (104 cm x 88 cm x 233 cm)
Interior Volume	33.8 ft ³ (957 liters)	Recirculated Airflow	340 CFM (9.6 m ³ /min)
Light Bank	(3) Located 12" above shelf	Usable Shelf Area	23" x 23" x 12" (3.7 ft ²)

Standard Model Specifications

Model - ES2000	CL	CDML	CL-LT	CDML-LT
Temperature Range	20 - 40 °C (68 - 104°F)	20 - 40 °C (68 - 104°F)	4 - 40°C (39 - 104°F)	4 - 40°C (39 - 104°F)
Humidity Range	N/A	30 - 75% RH	N/A	30 - 75% RH
Max Shipping Weight	800 lb (363 kg)	845 lb (383 kg)	800 lb (363 kg)	845 lb (383 kg)
Condensing Unit	3/4 HP, R-448A for all models			
Full Load Amps	22.1	24.0	22.1	24.0
Total Heat of Rejection Nominal	2784 W @ 25°C (9500 BTUH @ 77°F)	2960 W @ 25°C (10100 BTUH @ 77°F)	2784 W @ 25°C (9500 BTUH @ 77°F)	2960 W @ 25°C (10100 BTUH @ 77°F)
Total Heat of Rejection Maximum	2843 W @ 20°C (9700 BTUH @ 68°F)	3019 W @ 20°C (10300 BTUH @ 68°F)	3048 W @ 4°C (10400 BTUH @ 39°F)	3224 W @ 4°C (11000 BTUH @ 39°F)

Light Bank Specifications

Model - ES2000	CW (Cool White)	UV (Ultraviolet-A)	FS (Full Spectrum)	DS (Dual Source)
Intensity Ranges	3.20 -19.90 kilolux	8.00 -37.30 W/m ²	3.10 – 12.00 kilolux	3.40 – 9.90 kilolux 4.30 – 17.80 W/m ²
Factory Default Levels	16.00 kilolux	22.0 W/m ²	10.00 kilolux	8.00 kilolux 10.00 W/m ²
Wavelength Range	400 - 750 nm.	315 – 400 nm.	315 – 750 nm.	315 – 750 nm.

- The standard upright chamber features one UV and two CW banks (3 banks total). Dual Source (DS) light banks combining UV and CW sources are available in one bank (Combo Bank Upgrade).
- Light output high and low levels are based on conditions of 25°C and product shelf unloaded.
- Factory Default Level(s) are based on approximately 60% (UV) and 80% (CW) of maximum light intensity.
- Operating range of 4°C to 40°C (-LT) includes special features for lamp pre-heating at 4°C for proper lamp starting. Operating at setpoints above 10°C requires removal of the top bank cap and removal of the air chase cover plates. The covers must be removed on all banks when operating chamber at temperatures above 10°C.

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