

# ELC-500 UV/Visible Light Exposure Chamber from Electro-Lite

In Electro-Lite's tradition of innovative technology, the ELC-500 bench-top light exposure chamber achieves curing perfection at minimal cost. For use in the photoactivation of a wide range of light curable adhesive, epoxy, and coatings. It is compact, sturdy, portable, and delivers the most curing power of any curing chamber of its type.



## **Polytec GmbH**

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### ELC-500 General Information

The ELC-500 is a completely contained, operator safe, light exposure chamber. The heart of the system is an array of custom designed lamps emitting a peak wavelength at 365nm for use in the generation of the longwave UVA portion of the spectrum which is most effective in the rapid curing of UV activated materials. VISIBLE wavelength lamps peaked at 450nm are also available, enabling the ELC-500 to cure a wide range of VISIBLE light curable formulation. For applications requiring nondestructive fluorescent defect testing (NDT), the system is made available with BLACK LIGHT lamps as well as a clear viewing window for ease in detecting defects. The ELC-500 features a digital countdown programmable timer, power-down mode, safety interrupt chamber switch, and an exposure completion audible signal. The system also features a clear rotating turntable as well as a clear shelf, a standard accessory included with the ELC-500. The internal chamber is lined with a highly reflective material assuring even light distribution, eliminating the danger of shadowing. Uniform exposure occurs fully around 360 degrees, made possible by the special light transmitting material used in the manufacture of the turntable and the shelf.

Typical applications range in areas of electronics, telecommunication, medical device assembly, NDT, and hearing aid manufacturing and repair applications. By continuously seeking new opportunities, Electro-Lite maintains a position as a technology leader in advanced light curing systems, light curable adhesives, epoxies, encapsulants, coatings, and sealants.

### Specifications

Input Voltage:	100-120V AC, 60Hz, 1.5A 220-240V AC, 50Hz, 1.0A
Power Supply:	Solid State Electronics
Lamp:	UVA-365nm, 9W x 4 VISIBLE-450nm, 9W x 4 BLACK LIGHT -365nm, 9W x 4
Dimensions:	9"W x 8"H x 9"D (External) 7.5"W x 3"H x 8.75"D (Chamber)
Weight:	6.5 lbs.
Turntable:	4" diameter, 6 r.p.m.
Shelf:	5"W x 8.75"D
Panel Indicators:	Time - Minutes selectable 1-9 minutes Time - Seconds selectable 6 second intervals ON/OFF • Start Exposure • Stop Exposure

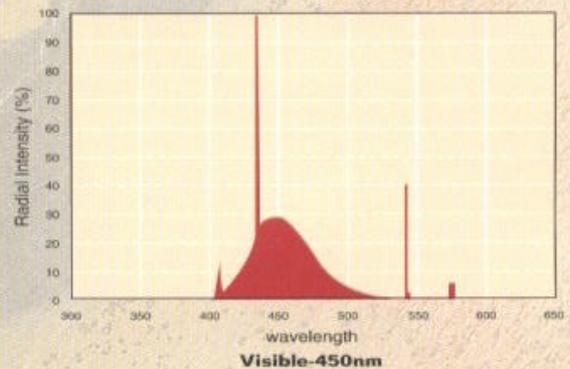
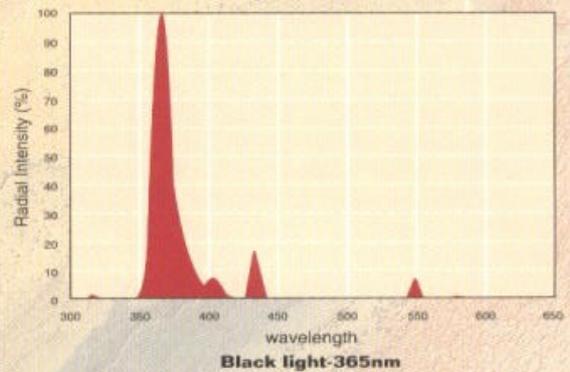
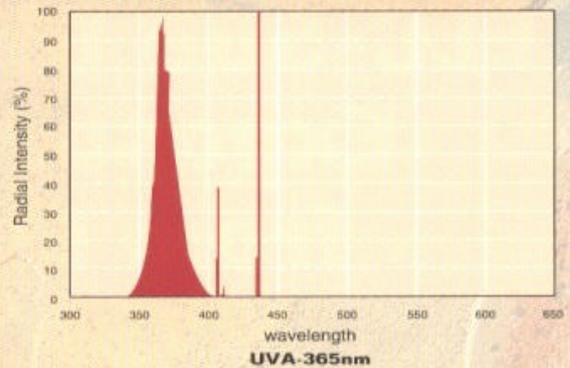
### Features

Programmable Electronic Timer • Digital Countdown Mode • Safety Interrupt Chamber Switch • Exposure Completion Audible Signal • Turntable/Shelf

### Ordering Information

- P/N 81432 100-120V, 60Hz, UVA 365nm
- P/N 81433 100-120V, 60Hz, VISIBLE 450nm
- P/N 81434 220-240V, 50Hz, UVA 365nm
- P/N 81435 220-240V, 50Hz, VISIBLE 450nm
- P/N 82469 Replacement Lamp UVA 365nm
- P/N 82470 Replacement Lamp VISIBLE 450nm
- P/N 81045 Replacement Lamp BLACK LIGHT 365nm

### Relative Spectral Distribution



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