

ELC-800...Designed for Performance, Automated for Simplicity



Remote Monitoring and Data Acquisition software makes the ELC-800 an even greater value.

LCD High Contrast Display: Lamp ignition, lamp ready, lamp life, exposure time, UV output, and replace lamp notice.



Lamp power regulated to a constant 200 Watts over the lamp's useful life insuring minimal degradation.

Choice of Liquid Light Guides, 3mm, 5mm, and 8mm core diameters, Single-Pole, Bifurcated, and Trifurcated.

An Advanced UV Process Control System

In Electro-Lite's tradition of innovative technology, the ELC-800 microprocessor-based UV/VISIBLE ultra-high intensity spot cure system offers an impressive list of automatic and ergonomic features, which meet a broad range of light curing assembly tasks. It is compact, portable, and delivers the most UV curing power you will find in any spot curing system available.

The ELC-800's Innovative Features:

- Microprocessor controlled system intelligence – RS232 interface. User-friendly features allows use of PC to control and monitor lamp ignition, lamp status, and shutter timing.
- Optional Windows™ based software adds flexibility and simplicity to UV process control.
- Built-in radiometer – Continuously monitors UV output in W/cm².
- System reporting – Process validation. Meets ISO and GMP reporting requirements. Download data file to PC for printout or disk storage.

The ELC-800 provides safe, filtered UV-A energy at a peak wavelength of 365nm. Employing a high pressure, 200W mercury vapor DC lamp with a stabilized power control through a solid state switching power supply. Intelligent electronics enables worldwide usage from 90-264 volts AC, 47-63Hz. The system is equipped with a rotary electro-magnetic shutter, digital electronic timer, which is selectable in steps of .1 to 999.9 seconds as well as continuous. The system's LCD, high contrast panel clearly displays lamp ignition, lamp ready, exposure time, lamp hours, lamp replace, and overheat.

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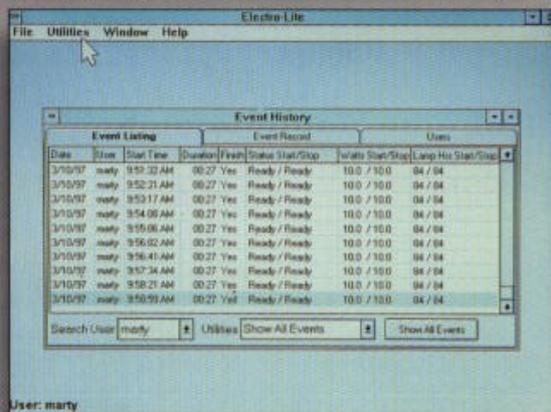
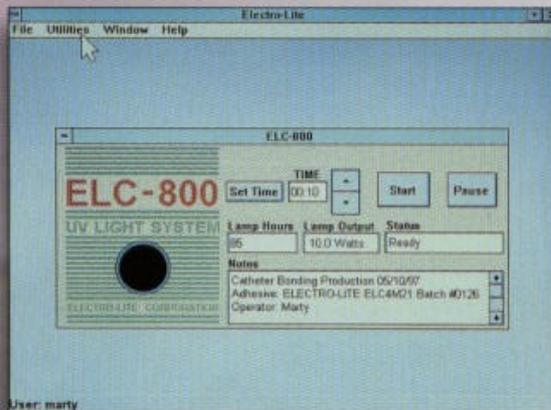
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Applications:

Typical applications include: Medical device manufacturing, telecommunications, electronic assemblies, ink marking of components, sealing of liquid crystals, fluorescing dye penetrants in NDT, and providing high intensity, concentrated UV light for borescopic and endoscopic procedures, and many more.

RS232 Interface:

Optional user-friendly Windows™ software is available as an accessory. Typical process validation screens, using the PC software, is shown below:



Software tracking validates data, such as date, operator, time of event, product, type and batch number of adhesive; just to name a few.

Optional Accessories:

Liquid Light guides:

- 5mm x 1500mm, P/N 82057
- 5mm x 1500mm Extended tip, P/N 82168
- 5mm x 3000mm, P/N 82179
- 5mm x 750mm, P/N 82405
- 8mm x 1500mm, P/N 82080
- 3mm x 1000 x 2 Bifurcated, P/N 82081

- 3mm x 1500 x 2 Bifurcated, P/N 82485
- 3mm x 1200mm x 3 Trifurcated, P/N 82223
- 3mm x 760mm x 3 Trifurcated, P/N 82175

UV/VISIBLE Light Protective Eyewear:

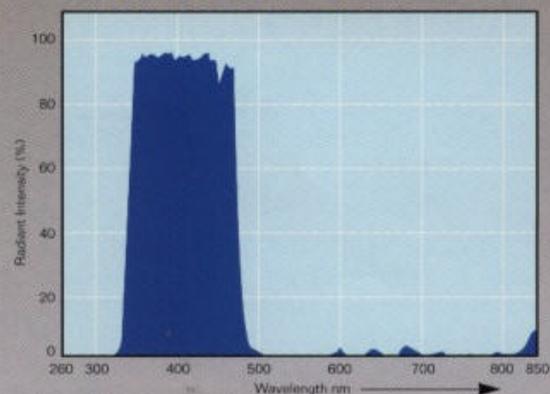
- Optilux Clip-On Style, P/N 82134
- Optilux Standard Frame, P/N 82138
- Optilux 20/20 with Side Shields, P/N 82140

Specifications:

- Input Power:** Auto ranging, 90-264 volts AC, 47-63Hz.
- Lamp:** 200 Watt high pressure short arc DC mercury vapor.
- Lamp Life:** 1000 hours (average typical).*
- Lamp Warm-up Time:** Less than 90 seconds.
- UV Output:** Greater than 7 W/cm² (7000 mW/cm²).
- PC Interface:** RS232 connector/optional Windows™ based software available.
- Panel Controls:** Power ON/OFF, Time Up, Time Down, Time Set, Time Start, Time Pause.
- Panel Display:** LCD high contrast, back lit.
- Panel Displays:** Lamp Ignition, Lamp Ready, Lamp Exposure Time from .1 to 999.9 seconds and continuous, Lamp Hours, UV Output, Lamp Replace notice, and Overheat warning.
- Dimensions:** 13.5" Width, 6.5" High, 13.5" Deep.
- Weight:** 17 lbs.
- Light Delivery:** Optional flexible liquid light guide, single-pole, 3mm, 5mm, and 8mm core diameters. Bifurcated and Trifurcated light guides available.
- Includes:** Lamp module, foot switch, protective eyewear, and operating instructions.
- Warranty:** 1 year excluding lamp module and light guide.

*The number of system ON/OFF cycles per day will effect the useful lamp life.

Filtered Spectral Distribution



Distributed by:

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