

The UVALOC 400 System is suitable for the UVA and visible light curing of Loctite UV products. It can be used at workstations such as in shops and laboratories. It is used for manual loading or inline integration.

The lamp's emission spectrum (UVA + visible light) and radiant power capacity have been designed specifically to meet the requirements of UV-curable Loctite adhesives. The UVALOC 400 System is a modular system. It includes a power unit with integrated power switch, hour counter and ballast as well as a stand, a lamp house with the bulb, the reflector and the ignition capacitor/starter unit.

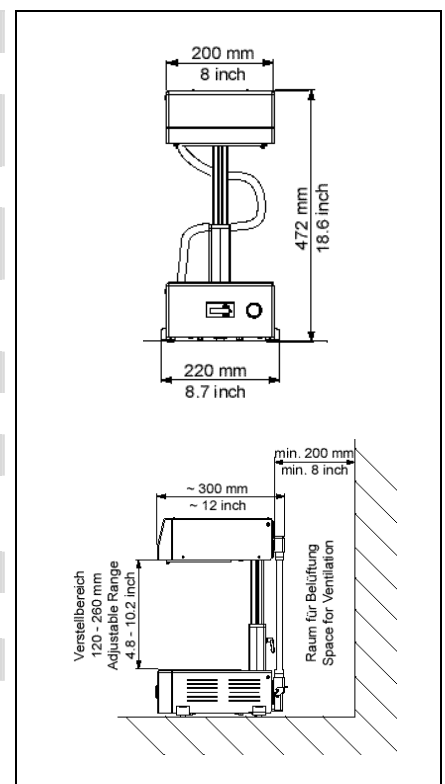
The system includes no timer, so the curing time has to be controlled with an external timer to ensure precise repeatability of curing results.

The work surface is covered by a special silicone rubber mat which resists UV deterioration and chemical attack.



Technical Data

Power supply	230 V AC , 50 Hz
Power Consumption	Approx. 460W
Power Protection	2 x 5 A, time-lag Glass tube, fine wire fuse 5 x 20 mm
Warm-up Time of UV Lamp	3 min
Lamp Type	400 W high pressure metal vapor bulb double sided plug-type socket
Lamp Lifetime	Approx. 1000 hours, depending on duty cycle (see Figure 1)
Intensity	See Figure 2
Emission Spectrum	See Figure 3
Warm-up Time of UV Lamp	3 min
Dimensions (width x height x depth)	220 mm * 472 mm * ~300 mm 8.7 inch * 18.6 inch * ~12 inch
Ambient Operating Temp.	+ 10 °C...+ 30 °C (+ 50 °F...+ 86 °F)
Storage Temperature	- 10 °C...+ 60 °C (+ 50 °F...+ 140 °F)
Weight	~ 11.5 kg
Adjustable Range	120 - 260 mm (4.8 - 10.2 inch)



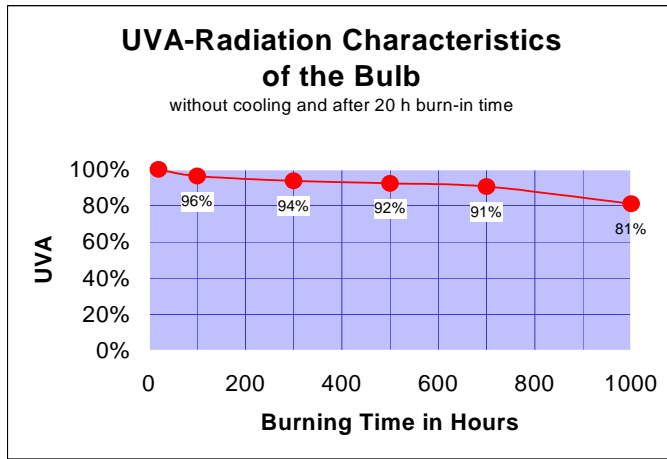


Figure 1: UVA Intensity over the lifetime (continuous burning)

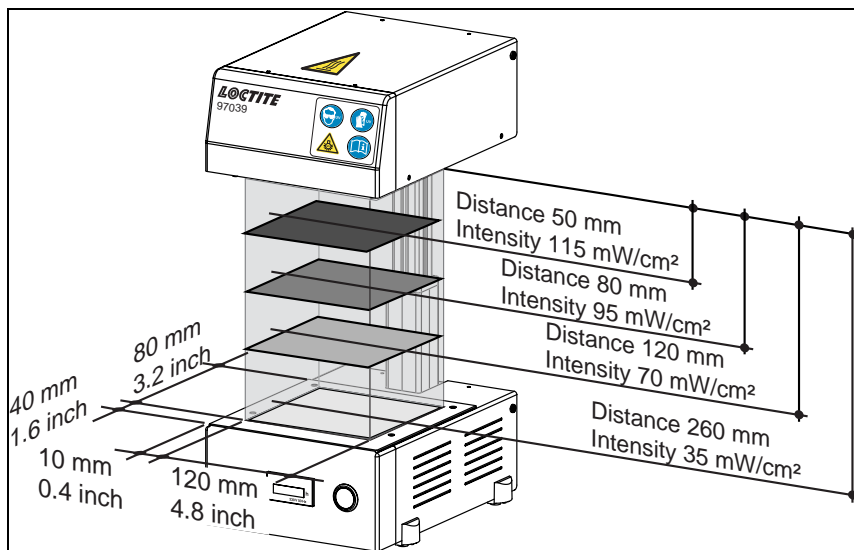


Figure 2: Average Values of UV Intensity at Different Distances

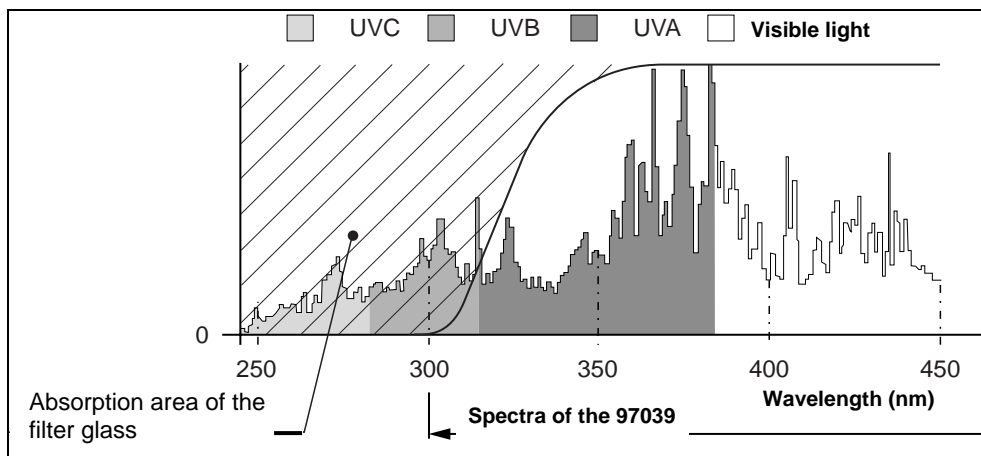


Figure 3: Emission Spectrum

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, Loctite Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Loctite Corporation's products. Loctite Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits. The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Loctite Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.