



DPL LED Curing System- *Slim, Strong, Smart*

Industrial Curing processes are complex requiring lots of experience and know-how. UV LED curing technology provides a more consistent and reliable process without damaging or discoloring heat sensitive components.

DPL LED Curing system is base on the latest LED technology, which combine with a high effective and smart construction ensure a stable and perfect curing quality for different types of coating, printing, bonding application.



LED CURING - by DPL

Super Performance



FEATURE :

- High energy output: up to 26w/cm²
DPL LED curing system provide high and constant UV output to reach your request for different applications. DPL LED system can easy reach energy output up to 650mj/cm², Peak energy more than 24-26w/cm².
- Long lifetime: >20.000h
- With our high effective water chilling construction, DPL LED curing system keep low temperature even at power at 26w/cm². DPL cooling system optimize the heat extraction from the LED chip, which provide surface printing temperature lower than 40°C. Low temperature also reduces wastage and rejects with heat sensitive substrates.

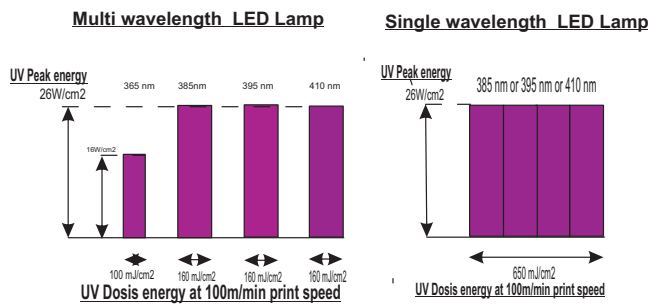
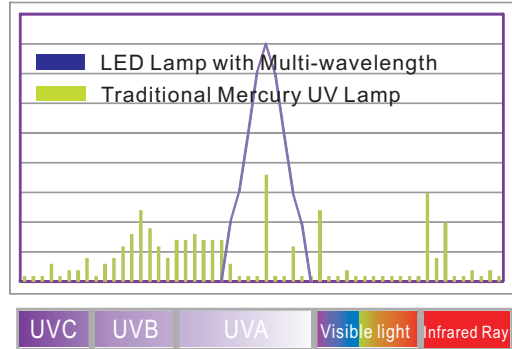
Peak Wavelength	combination 365-385-395-410nm
Peak Energy Output	up to 26w/cm ²
Array Width/Length	50mm up to 3000mm
Lamp Dimensions	60mm x 100mm x length
Power Control Range	0-100% with instant on-off
Expected working life	> 20.000 Hours
Control System	Integrated PLC
Cooling System	Closed Loop Water with Automatic Flow Control
Certifications	CE, UL....



DPL LED Lamp house- *Slim, Strong, Smart*

- DPL LED curing system with Multi-wavelength output:

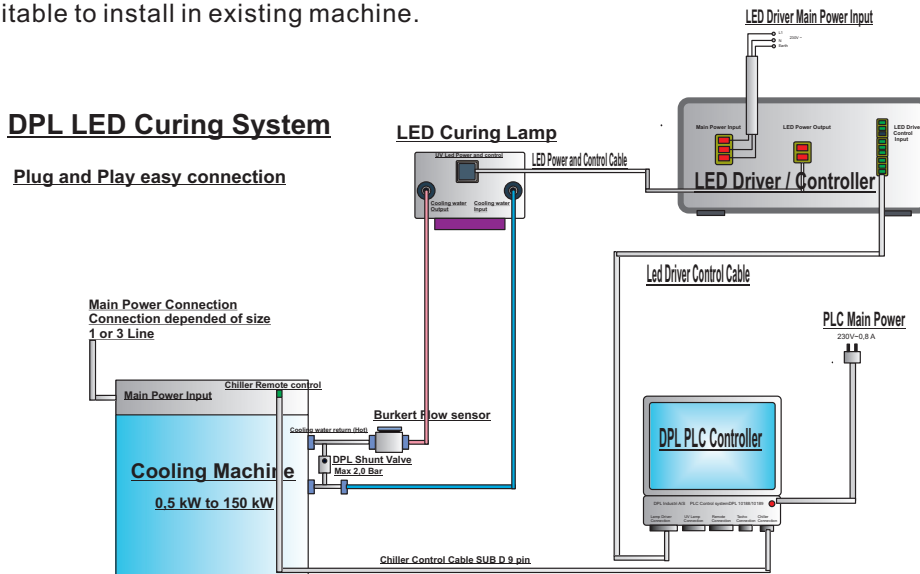
Compared with general Mercury Lamp, normal LED can only provide a very narrow band. See the left side figure, which compare the output of a multi-wavelength(365nm-410nm) LED lamp with traditional mercury lamp. At the same wavelength 365nm, LED lamp can output much more energy than traditional mercury lamp, means LED lamp can provide more high energy output in UV-A range.



DPL LED curing system use the latest LED technology on LED chip combination to reach high Joule Energy (DOSIS Energy), so it can easily cure UV ink in UVA range instead of single wavelength LED ink. According to our client's ink performance, DPL LED Curing system can setup different output energy at different wavelength.

- “Plug & Play” smart system:

DPL LED Curing system is smart system with “plug & play” design, easy to operation and suitable to install in existing machine.



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