



UV Curing System

**No.1**  
FOR  
**UV  
LED**

**Transform the  
economics of UV**



**FASTER**



**GREENER**



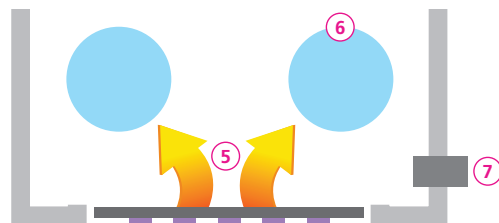
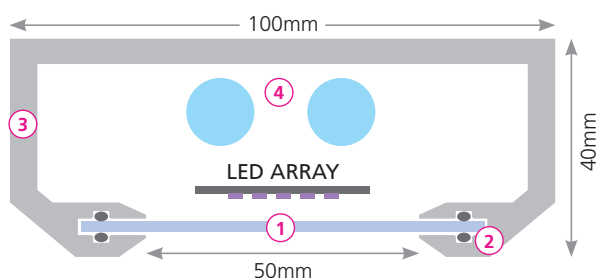
**CHEAPER**



Designed and made in Britain

[gewuv.com](http://gewuv.com)

**GEW**  
...engineering UV



#### ① Most efficient curing

- Large window gives maximum light extraction.
- Longer dwell time gives highest dose.

#### ② Ultimate reliability

- Tough IP67 design protects LEDs at all times.
- Waterproof seals make for easy cleaning.

#### ③ Fits anywhere

- 40 x 100mm profile can fit on any machine.
- GEW's familiar cassette design is provided as standard.

#### ④ Water cooled

- Silent operation improves factory ambience.
- No air movement or dirty filters for sensitive processes.

#### ⑤ Thermal management

- Extensive investment and years of research and development have resulted in unrivalled thermal management. This is the secret behind LeoLED's game-changing performance.

#### ⑥ Condensation protection

- Innovative warm water cooling system prevents condensation, even in the hottest and most humid environments.

#### ⑦ Temperature control

- Embedded temperature sensors constantly monitor the LEDs to ensure safe, long term operation and reliability.

#### José Carrasquer

Quality & Purchasing Director,  
Etygraf, Spain

#### Owners of five GEW UV curing systems:

*"With LED UV we now have less power consumption, less setup time, no changing of lamps... it's faster to turn it on, it's faster to turn it off. LED gives us a better competitive position in the market."*

#### Todd Fatino

Vice-President of Innovation,  
Phenix Label, Olathe, Kansas

#### Owners of four GEW full LED presses:

*"We chose GEW UV LED for faster run speeds... and yes, in every instance LED UV has lived up to our expectations!"*

### Specification

Max electrical power	70W / cm <sup>†</sup>
Peak Wavelength	395nm**
Irradiance at window	25W / cm <sup>2*</sup>
Typical dose @ 100m / min	235mJ / cm <sup>2*</sup>
Max length	170cm
Standard cross section	110mm W x 190mm H
Cooling	Water
Standard max operating temperature	40°C (104°F)
Expected diode lifetime	40,000 hours‡
Standard max humidity	Non-condensing

<sup>†</sup> Also available at 88W/cm and 53W/cm, with commensurate change in irradiance and dose statistics.

<sup>\*</sup> Measured under standard GEW lab conditions with a standard lamphead configuration.

<sup>\*\*</sup> 365nm, 385nm & 405nm available upon request.

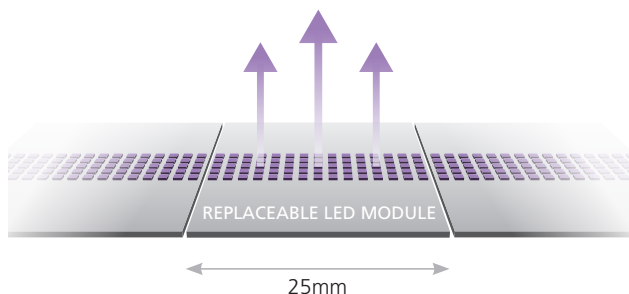
<sup>‡</sup> Lumen Maintenance Life Projection according to IES LM-80 and IES TM-21



UV Curing System

## 35% Dose improvement 40% Irradiance boost

(versus GEW LW2 curing system)



LeoLED brings the very latest LED technology to the market.  
Delivering more UV dose for your money than any similar product currently available.

## ArcLED Hybrid LED+UV

The only tool needed to change a UV cassette



**ArcLED hybrid UV technology allows interchanging of a UV Arc lamp or LED array in the same housing.**

Optimise your press with a mixture of Arc and LED curing on any station, for the ultimate flexibility.

## Why use GEW UV LED?



### Faster curing

LeoLED's new higher power output supports the market's fastest print speeds. UVA radiation penetrates deep for thick screens or laminating and foiling processes.



### Print without limitations

Unsupported films, shrink sleeves and other delicate materials can be processed without heat damage.



### Increased machine uptime

No moving parts for low maintenance and no warm-up/cool-down mean less UV related downtime, which increases press productivity.



### Reduced energy consumption

Higher electrical efficiency of LEDs and instant on/off switching allow typical energy savings over 50% (versus a brand new UV Arc system).



### No ozone, no Mercury

GEW LEDs produce no ozone, so there are no air extraction requirements. They are also Mercury-free.



### Longest LED warranty

LeoLED diodes are proven to run over 40,000 hours\*. GEW offers the longest LED warranty available - up to 3 years, irrespective of running hours.



### Turnkey solutions

GEW deliver a complete integrated UV curing solution; including lampheads, cooling equipment, power supply and user control systems.

\*Lumen Maintenance Life Projection according to IES LM-80 and IES TM-21



## Relax... you're in safe hands

### GEW Remote Monitoring Service



Remote Monitoring is an IoT technology included as standard on every GEW RHINO/RLT UV system, and is Industry 4.0 approved.

All such systems are continuously monitored to ensure they are operating at peak efficiency, 24/7/365.

This also enables GEW to provide the **fastest and most precise service response in the industry.**

### System performance reports

The Event Log continually records system use and regular reports are generated for the customer, detailing energy usage, press productivity and system performance.

## RHINO power

### Compact, fail-safe power

RHINO and RLT power units can supply up to 12 UV lamps from one compact cabinet with a 1265mm x 800mm footprint.

The power supplies are designed to run in ambient temperatures up to 40°C and are protected from common mains power events (e.g. short-to-ground, mains dips) by a safe shutdown mode, for ultra-reliable operation.

### 5-year warranty available



Using GEW's embedded service package gives total confidence in the reliability of GEW power electronics, and minimises unplanned maintenance costs. **GEW is the only UV supplier to offer this level of warranty on the full system.**



## UPGRADE to LED NOW...

For GEW RHINO and RLT users, UV curing systems can be upgraded to LED UV by simply adding a LeoLED cassette and a chiller unit.

**THE MOST AFFORDABLE ROUTE TO LED PRINTING AVAILABLE ANYWHERE**



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