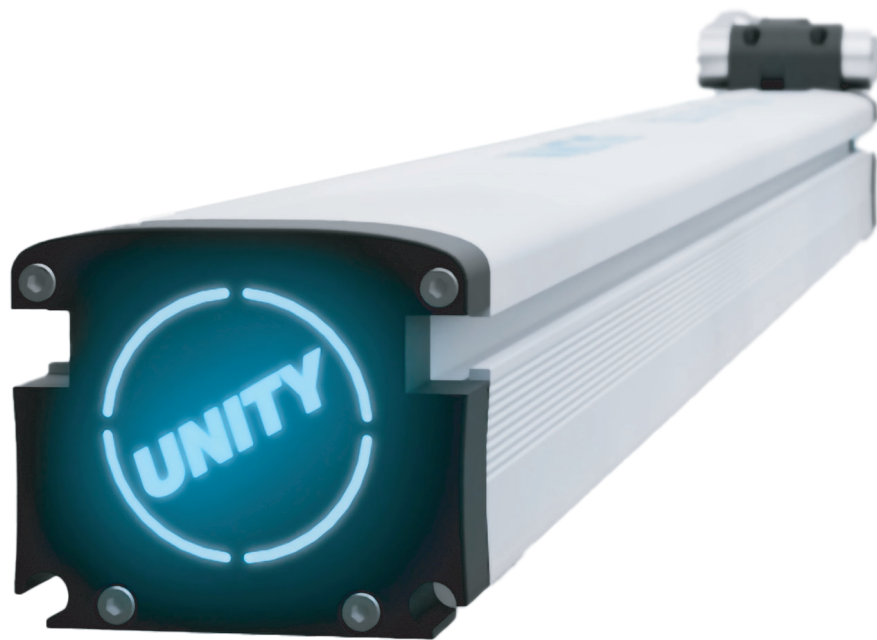


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Unity™ LED

Fast, Powerful, and Hot Swappable
LED-UV Curing for print and
industrial applications

Fastest Curing on the Market: Unity™ LED delivers UV energy with world-class uniformity. This is made possible by advanced quartz optics that collimate the UV light, which sustains higher UV intensity at distances further from the lamphead versus competitive products. Unity LED offers industry-leading UV at over 110 W/cm. This ensures maximum press speeds and optimal operating efficiency.

BALDWIN®

Specifications per Module



Electrical Power: 110+ W/cm maximum (280+ W/in)

Dual wavelength combinations available: 365 nm, 385 nm, 395 nm, 405 nm

Maximum Length: 2000 mm (78.75 in)

Standard Cross-section Dimensions (main body): 80 mm (W) x 70 mm (H)

Cooling: Treated Water

Maximum Operating Temperature: 40 °C (104 °F)

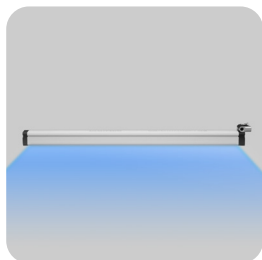
Expected Array Lifetime: Current systems still functioning at 45,000+ hours

Standard Maximum Humidity: Non-condensing

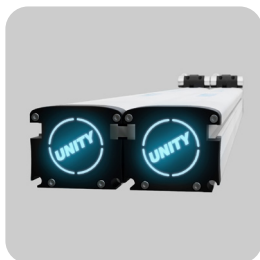
Benefits

- 1 System Life:** Provided cooling and operating environment is maintained as directed, Unity™ LED provides industry-leading longevity. Our LED systems have been operating in the field at 47,000 hours.
- 2 Wavelengths:** Unity LED is available in the most standard wavelengths. While 385 nm is most common in printing to cure inks and coatings, others are more common in industrial or manufacturing to cure coatings and adhesives. Unity LED cures all inks, coatings and adhesives available at these wavelengths. Unity LED's efficiency allows it to run at less than full power while curing at top speeds. A more efficient power system lasts longer and has less down time.
- 3 Hot Swappable Option:** Unity's design allows for seamless swapping with our QuadCure Unity arc UV lamphead at the end of press. This allows for quick turnaround time between jobs that use different UV systems. Hot swappability is available optionally with a control cabinet upgrade. Unity's interface automatically switches between power supplies, offering seamless integration of arc and LED UV on one machine.
- 4 Future-Proof System:** Unity LED's hot swappability with QuadCure Unity arc UV prepares your production line for the future. When inks, coatings, and adhesives that are only available in an arc UV formulation become available in LED UV, simply swap out the cassettes. Unity LED is also backward compatible with many legacy LED systems.
- 5 Reduced Energy Costs:** LED curing consumes far less energy than any other curing or drying source, including gas oven, infrared, arc UV, and more. The Unity LED system delivers the highest dosage at the most efficient level of energy consumption, offering you the best of reliability, performance, and longevity.

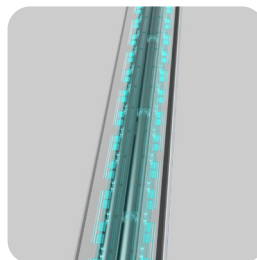
Features



Higher power/range



Linkable modules



Optimized optics



Tool-less connection