



NEW

L2688™

8-Head UV LED Spot Curing System

Eight cure points. One controller.

8

independent heads

11,000

mW/cm² peak

365–470

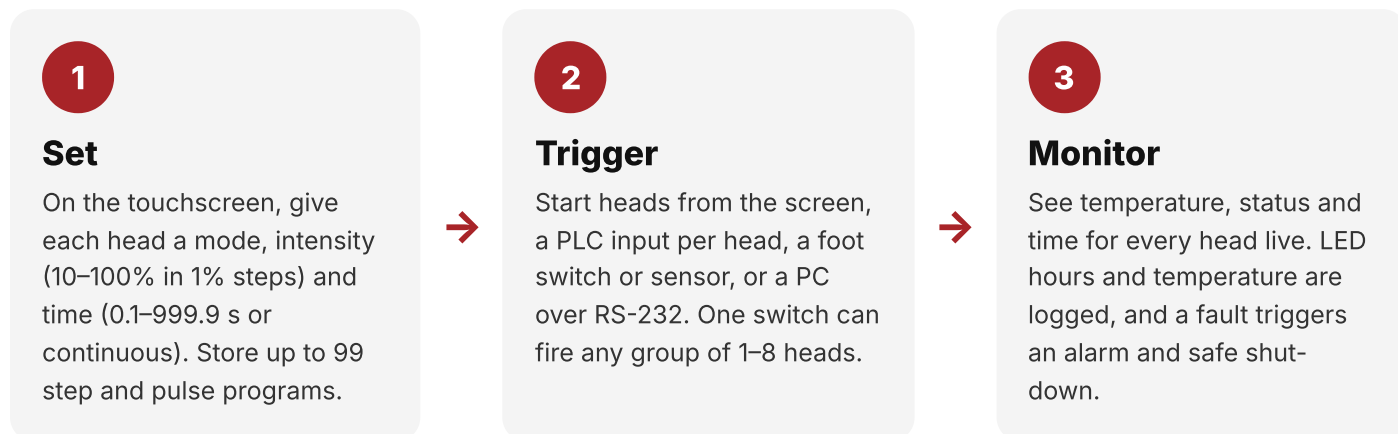
nm wavelengths

20,000 h+

LED life

Cure eight points at once — each one exactly right.

Every L2688™ head runs its own program. One part can get a fast tack cure while the next gets a long, deep cure — all from a single controller with the power supply built in.



STABLE, REPEATABLE OUTPUT



Constant-output mode

Below 80% power, irradiance is held constant and is not affected by temperature.



Full power on demand

At 100%, instantaneous output reaches the maximum of up to 11,000 mW/cm².



Instant on, instant off

No warm-up or cool-down. Switch as often as the process needs.



Key lock

Stops operators changing settings or stopping a cure by mistake.

BUILT FOR AUTOMATION

8 PLC inputs

Start any head or group of heads

Status outputs

Start, stop, working and alarm per head

RS-232

Set parameters, send programs, update firmware

Foot switch / sensor

One input controls 1 to 8 heads

WHERE IT WORKS

Electronics

Components, sensors, connectors

Optics

Lenses, fibres, alignment

Medical devices

Catheters, needles, sensors

Automated lines

Inline and robotic cells

Adhesives, inks, coatings

Fast, deep UV cure

Clean rooms & labs

All-aluminium enclosed housing

Choose your spot

Smaller spots concentrate more power. Pick the lens that matches your bond line and working distance.
Optical power at 365 nm, 100% output:

L2688-L03	3 mm @ 8 mm		11 W/cm²
L2688-L04	4 mm @ 7 mm		10 W/cm²
L2688-L05	5 mm @ 10 mm		6.5 W/cm²
L2688-L06	6 mm @ 12 mm		5.5 W/cm²
L2688-L08	8 mm @ 19 mm		3.5 W/cm²
L2688-L10	10 mm @ 25 mm		2.2 W/cm²
L2688-L12	12 mm @ 22 mm		1.8 W/cm²
L2688-L15	15 mm @ 39 mm		0.2 W/cm²
L2688-L08SV	8 mm side @ 10 mm		0.9 W/cm²

Custom lenses and fibre optics available on request. Full lens list in the L2688™ datasheet.

LIGHT HEADS



Compact Head

Small diameter for tight fixtures and easy mounting. The standard choice for timed exposures.



Fan-Cooled Head

Built-in micro cooling fan for sustained output. For long or continuous exposure.

Quartz LEDs · aviation-grade heat sinks · quartz optics · cable 3 / 5 / 10 m, rated >1,000,000 bends at R30 mm

KEY SPECIFICATIONS

LED heads	8, independent	Peak intensity	up to 11,000 mW/cm²
Wavelengths	365–470 nm (±10 nm)	Intensity	10–100%, 1% steps
Timer	0.1–999.9 s / continuous	Programs	up to 99
LED life	>20,000 h	Interfaces	PLC I/O · RS-232
Power supply	Built in	Housing	All-aluminium
Size (L×W×H)	185 × 140 × 130 mm	Weight	1,500 g

UV LED vs mercury lamps

	Incure L2688™ UV LED	Mercury arc lamp
Start-up	Instant on/off	Warm-up and cool-down needed
Heat	No infrared — safe for heat-sensitive parts	Emits infrared heat
Environment	Mercury- and ozone-free	Contains mercury
Life	>20,000 hours, no bulb changes	Regular bulb replacement
Control	Per-head intensity in 1% steps	One lamp shared by all outputs
Energy	Low-voltage drive, low consumption	High-voltage lamp supply

ORDERING

L2688-[wavelength]

e.g. L2688-365

Wavelength: 365–470 nm

Head: Compact or Fan-Cooled

Lens: 3–15 mm spot

Cable: 3 / 5 / 10 m

Lead time: 3–4 weeks ARO

NEED FEWER HEADS?

L1344™

The same controller, touchscreen, heads and lenses — with four independent heads for workstations and compact cells.

Talk to an Incure curing specialist

Tell us your adhesive, part and line speed. We'll recommend the heads, lenses and settings.



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