



L-SERIES™

L88™

8" × 8" UV LED Flood Curing Lamp

Four times the area. Same even cure.

8" × 8"
curing area

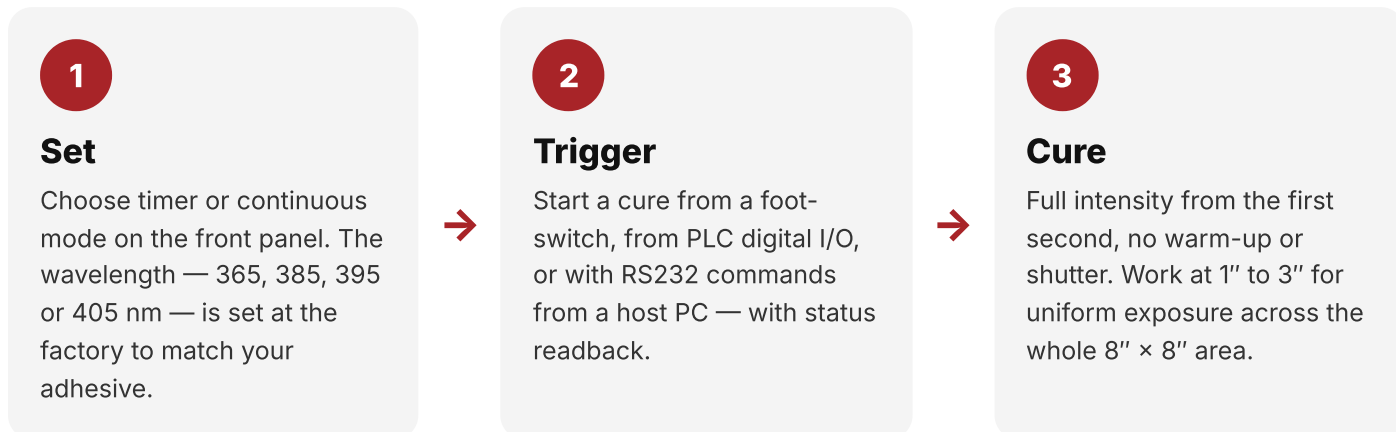
3,000
mW/cm² peak @ 10 mm

365–405
nm wavelengths

20,000 h+
LED life

Cure the whole area at once — evenly.

The L88™ floods an 8" × 8" area with uniform, high-intensity UV — room for larger parts or many small ones per cycle. RS232 control makes it the L-Series™ model built for production lines.



WHY TEAMS CHOOSE IT

- Uniform exposure**

78% uniformity across the area at 2" — no shadowing or under-cured edges.
- Instant on, instant off**

No warm-up, cool-down or shutter, unlike mercury flood lamps.
- High intensity**

High Power: 2,500 / 3,000 mW/cm². Standard Power: 1,500 / 1,800 mW/cm² (365 / 405 nm, at 10 mm).
- 20,000+ hour LED life**

Mercury-free, with no bulb replacement or recalibration in normal service.

FITS YOUR PROCESS

C191C chamber

Matched C-Series cure chamber

CDM™ + L88 conveyor

Pre-integrated inline curing

RS232 + PLC + foot-switch

Host commands and status readback

Universal power

100–240 V, 50/60 Hz, auto-ranging

WHERE IT WORKS

Electronics

Conformal coating, underfill, SMD

Medical devices

Catheters, sensors, sealing

Optics

Lenses, prisms, filters

Conveyor lines

PLC-synchronised inline cure

Coatings & encapsulants

Many parts per cycle

R&D labs

Qualification and dose studies

Power and evenness, measured

Peak irradiance at 10 mm by power version and wavelength, and how evenly that light lands across the whole area at 2" and 3".

PEAK INTENSITY @ 10 mm

SP · 365 nm 1,500



SP · 405 nm 1,800



HP · 365 nm 2,500



HP · 405 nm 3,000



mW/cm² at 100% output. 405 nm is higher due to LED die efficiency. SP = Standard Power · HP = High Power.

UNIFORMITY (WEAKEST ÷ STRONGEST POINT)

Stationary, 2" 78%

Stationary, 3" 62%

Moving, 2" 88%

Moving, 3" 82%

Recommended curing distance: 1" – 3".



THE IRRADIATOR

8" × 8" window · 320 (SP) / 576 (HP) LEDs

A dense, mercury-free LED array with four cooling grilles, forced-air cooling and louvers. Carry handles and mounting holes simplify chamber, conveyor or line installation.

KEY SPECIFICATIONS

Irradiation area	8" × 8" (200 × 200 mm)	LED count (SP / HP)	320 / 576
Peak @ 10 mm, 365 nm	1,500 / 2,500 mW/cm²	Peak @ 10 mm, 405 nm	1,800 / 3,000 mW/cm²
Wavelengths	365 / 385 / 395 / 405 nm	Curing distance	1" – 3"
Operating modes	Timer & continuous	Control	LCD · foot-switch · PLC · RS232
Power input	100–240 V, 50/60 Hz	Cooling	Forced air, louvers
LED life	> 20,000 h	Chamber	C191C

UV LED vs mercury flood lamps

	Incure L88™ UV LED	Mercury arc flood lamp
Start-up	Full intensity at switch-on	Warm-up and cool-down needed
Exposure control	Switch LEDs on/off — no shutter	Mechanical shutter
Environment	Mercury-free solid state	Contains mercury
Life	>20,000 hours	Regular bulb replacement
Maintenance	No recalibration in normal service	Output drifts as the bulb ages

ORDERING

L88-[SP/HP]-[wavelength]

e.g. L88-HP-365 · SP = Standard, HP = High Power

Wavelength: 365 / 385 / 395 / 405 nm **Set:** at factory, one per unit

Chamber: C191C **Power:** 100–240 V auto

Lead time: 3–4 weeks ARO

NEED A SMALLER FOOTPRINT?

L44™

4" × 4" flood with up to 3,000 mW/cm² (HP) — compact for the bench and fits C131C, C131D and C141C chambers.

Talk to an Incure curing specialist

Tell us your curing area, intensity and wavelength. We'll confirm the model, availability and lead time.


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