L2688™

8-Head UV LED Spot Curing System

8 independent LED heads

11,000 mW/cm² peak intensity

365–470 nm wavelength range

>20,000 h rated LED life

OVERVIEW

Incure L2688™ drives eight independently programmed UV LED heads from one compact touchscreen controller, delivering up to 11,000 mW/cm² peak intensity across 365–470 nm. Each head has its own mode, intensity and exposure time, and full PLC and RS-232 integration makes it ideal for high-throughput, fully automated production lines. The power supply is built in.

KEY FEATURES

- Each head independently set: mode, intensity and time
- Step and pulse modes with up to 99 stored programs
- Live temperature, status and time for every head; logs LED hours
- PLC inputs/outputs, RS-232 and foot switch/sensor terminal
- Intensity 10–100% in 1% steps; timer 0.1–999.9 s or continuous
- Constant-output mode below 80% — unaffected by temperature
- Fault alarm with automatic shut-down; key lock
- All-aluminium enclosed housing, suitable for clean rooms

LIGHT HEADS

Compact Head
Small diameter, easy mounting. For timed exposures.

Fan-Cooled Head
Built-in micro fan. For long or continuous exposure.

ORDERING INFORMATION

Part number: L2688-[wavelength], e.g. L2688-365

Wavelength: 365 / 385 / 395 / 405 / 450 / 470 nm

Light head: Compact or Fan-Cooled

Lenses: see page 2

Cable length: 3 m / 5 m / 10 m

Lead time: 3–4 weeks ARO

SPECIFICATIONS

Parameter	L2688™
Number of LED heads	8, each independently controlled
Peak UV intensity	Up to 11,000 mW/cm²**
Peak wavelengths	365 / 385 / 395 / 405 / 450 / 470 nm (±10 nm)
Intensity control	10–100% in 1% steps
Exposure timer	0.1–999.9 s, or continuous
Programs	Step and pulse modes · up to 99 stored programs
Constant-output mode	Default below 80% output; irradiance unaffected by temperature
Expected LED life	>20,000 hours* · instant on/off, no warm-up
Display	Touchscreen: live temperature, status and time per head; logs LED hours and temperature
Protection	Fault alarm with automatic shut-down · key lock
PLC inputs / outputs	8 head inputs · status outputs (start, stop, working, alarm)
Serial interface	RS-232: parameters, PC/PLC control, firmware updates
Foot switch / sensor	One switch triggers 1–8 heads
Power supply	Built in
Housing	All-aluminium enclosed, suitable for clean rooms
Light heads	Compact Head · Fan-Cooled Head
Head cable	3 m / 5 m / 10 m · rated >1,000,000 bends at R30 mm
Controller dimensions	185 × 140 × 130 mm (L × W × H)
Controller weight	1,500 g

* LED life is estimated for a specific operating environment and conditions of use. ** Measured with a 3 mm focusing lens at 8 mm working distance, 365 nm, 100% output.

FOCUSING LENSES

Part No.	Spot	Distance	Power
L2688-L03	3 mm	8 mm	11
L2688-L04	4 mm	7 mm	10
L2688-L05	5 mm	10 mm	6.5
L2688-L06	6 mm	12 mm	5.5
L2688-L08	8 mm	19 mm	3.5
L2688-L10	10 mm	25 mm	2.2
L2688-L12	12 mm	22 mm	1.8
L2688-L15	15 mm	39 mm	0.2
L2688-L08SV	8 mm side	10 mm	0.9

Power in W/cm² at the stated working distance, 100% output. side = side-view lens. Custom lenses and fibre optics available on request.

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