

L88™

8" × 8" UV LED Flood Curing Lamp



8" × 8"
curing area

3,000
mW/cm² peak @ 10
mm (HP)

320 / 576
LEDs (SP / HP)

>20,000 h
rated LED life

OVERVIEW

Incure L88™ delivers uniform, high-intensity UV LED flood curing over an 8" × 8" (200 × 200 mm) area — up to 3,000 mW/cm² at 10 mm in High Power (HP) form. It is the first L-Series™ model with RS232 for host-controlled cure commands and status readback, making it ready for production lines. Fits the C191C chamber, or order it pre-integrated on a CDM™ conveyor.

KEY FEATURES

- Even exposure: 78% uniformity across the area at 2"
- Instant on/off — no warm-up, cool-down or shutter
- LCD panel, foot-switch, PLC digital I/O and RS232
- Forced-air cooling with louvers
- SP 1,500 / 1,800 · HP 2,500 / 3,000 mW/cm² (365 / 405 nm, 10 mm)
- Timer or continuous mode, switchable on the front panel
- Recommended curing distance 1" to 3"
- Fits C191C chamber · CDM™ + L88 conveyor option



IRRADIATOR

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

Mercury-free LED array with four cooling grilles, carry handles and mounting holes, connected to a separate power supply with LCD control panel.

ORDERING INFORMATION

Part number: L88-[SP/HP]-[wavelength], e.g. L88-HP-365

Chamber: C191C

Wavelength set: at the factory, one per unit

Wavelength: 365 / 385 / 395 / 405 nm

Power: 100–240 V, 50/60 Hz

Lead time: 3–4 weeks ARO

SPECIFICATIONS

Parameter	L88™
Type of lamp	UV LED flood
Irradiation area	8" × 8" (200 × 200 mm)
LED count (SP / HP)	320 / 576 LEDs
Peak @ 10 mm, 365 nm (SP / HP)	1,500 / 2,500 mW/cm ²
Peak @ 10 mm, 405 nm (SP / HP)	1,800 / 3,000 mW/cm ²
Available wavelengths	365 / 385 / 395 / 405 nm (factory-set, one per unit)
Recommended curing distance	1" – 3"
Static uniformity (part stationary)	78% at 2" distance · 62% at 3" distance
Dynamic uniformity (part moving)	88% at 2" distance · 82% at 3" distance
Operating modes	Timer or continuous, switchable on front panel
Control interface	LCD front panel · foot-switch input · PLC digital I/O · RS232
Power input	100–240 V, 50/60 Hz, auto-ranging
Cooling	Forced air, louvers
Expected LED life	> 20,000 hours
Chamber compatible	C191C

Irradiance measured at 100% output at the stated working distance. Uniformity = weakest point ÷ strongest point across the curing area (100% = perfectly even). LED life rated under standard operating conditions.

PEAK INTENSITY @ 10 mm

SP · 365 nm	1,500 mW/cm ²
SP · 405 nm	1,800 mW/cm ²
HP · 365 nm	2,500 mW/cm ²
HP · 405 nm	3,000 mW/cm ²

405 nm is higher due to LED die efficiency. SP = Standard Power · HP = High Power.

UNIFORMITY

78% stationary, at 2"	62% stationary, at 3"
88% moving, at 2"	82% moving, at 3"

COMPATIBLE PRODUCTS

C191C

C-Series UV cure chamber

CDM™ + L88

Pre-integrated conveyor system

Vison™ UV eyewear

Rated for 365–405 nm output

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