

## F100/F200 Compact UV Curing Lamp

The INCURE F100/200 is a compact UV flood curing lamp. F100/F200 integrates all system components into a small lamp head which can be easily mounted anywhere on a factory floor, with virtually no cabling or remote control boxes required. Just mount the head, connect the AC line cord, and start curing! The long life 400/600-Watt metal halide type lamp and parabolic reflector illuminate an 8 x 6 inch curing area with evenly distributed 100mW/cm<sup>2</sup> UVA light (320–390nm). The arc lamp is powered by the state of the art UV Power-Plus Lamp Driver. The head features a convenient carrying handle and sliding height adjustment bracket.



<b>FEATURES</b>	<b>Auto-Range AC line input</b>	The Auto-Ranging 90-132 / 180-265 VAC line input makes the F100/F200 easy to use in any country, with no wiring changes or voltage select switching required.
	<b>Lamp power regulation</b>	The system's switch mode power supply maintains constant lamp power regardless of variations in AC line input or lamp voltages. This regulation provides for repeatable curing times and longer lamp life.
	<b>Standby mode</b>	The unit features a standby mode rocker switch, which reduces lamp power by one half. This mode can be used to reduce heat and stray UV light output while the system is not in use.
	<b>Elapsed hour meter</b>	A front panel hour meter tracks lamp age, allowing for consistent lamp replacement scheduling.
	<b>Forced air cooling</b>	Baffled fan cooling directs air to critical system components, insuring cool operation and high system reliability.
	<b>Optional lamp spectrums</b>	The F100/F200 is available with UVA, UVB & visible spectrum lamps, which is insure compatibility with adhesives and coatings from all manufacturers.

<b>General</b>			
	Model	F100	F200
	Order Number	290005	290033
<b>Power Supply</b>			
	Input Voltage	90-132/180-265VAC	90-132/180-265VAC
	Input Current, 120/240V	7A/3.5A maximum	10A/5.0A maximum
	Source Input Frequency	47 Hz to 63 Hz	47 Hz to 63 Hz
	Lamp Power Regulation	± 1%	± 1%
	Fan / Auxiliary Voltage	24V	24V
	Protection	Inrush current limit, Line voltage surge, Short circuit, Open circuit, Hot re-strike, Over temperature	Inrush current limit, Line voltage surge, Short circuit, Open circuit, Hot re-strike, Over temperature
<b>Lamp</b>			
	Lamp Type	400 Watt Metal Halide	600 Watt Metal Halide
	Lamp Voltage	135 ± 15V	140 ± 10V
	Arc Length	32 mm	32 mm
	Burning Position	Horizontal	Horizontal
	Radiation Flux	72 Watts (315 – 400 nm)	110 Watts (315 – 400 nm)
	Warm-up Time	2 minutes	2 minutes
	Cooling time before Restart	5 minutes typical	5 minutes typical
	Curing Area	8 x 6" minimum	8 x 6" minimum
	Lamp Life	1000 hours typical	1000 hours typical
<b>Environmental</b>			
	Operating Temperature	+10 °C to +40 °C (+50 °F to +104 °F)	+10 °C to +40 °C (+50 °F to +104 °F)
	Storage Temperature	0 °C to +60 °C (+32 °F to +140 °F)	0 °C to +60 °C (+32 °F to +140 °F)
	Relative Humidity	30 to 75% operating, 10 to 100% storage	30 to 75% operating, 10 to 100% storage
	Cooling	Forced air	Forced air
	Over-temp shutdown	60 °C (internal)	60 °C (internal)
<b>Dimensions</b>			
	L x W x H (inches)	11" x 10" x 9"	11" x 10" x 9"
	Weight (lbs.)	13 Pounds	13 Pounds