

## S20 High Intensity Compact UV Spot Curing Lamp

The INCURE S20 is a new generation ultra high intensity compact UV light curing system that emits an impressive 21W/cm<sup>2</sup> of intensity at the tip of the light-guide (and 27W/cm<sup>2</sup> at light source). The adjustable knob allows varying intensities to suit your application needs. With a guaranteed useful life of 2,000 hrs, the S20 provides the best value per mW/cm<sup>2</sup> in its class. The system weighs a mere 6 pounds, and its 4 x 8.5 x 10.5 inch size is the smallest in its class.



<b>FEATURES</b>	<b>Accurate 1 to 99 second</b>	The S20's pedal controlled exposure timer and shutter, switchable from timed to manual mode for operator control of curing duration, with shutter remaining open while pedal depressed.
	<b>Front Panel Locking Intensity Control</b>	This uv light system has a power adjustment range 60 to 100%.
	<b>Front Panel Hour Meter</b>	An hour meter for lamp replacement scheduling, lamp Ignited indicator illuminates when the lamp is lit, and lamp ready LED signals warm-up complete.
	<b>Rear Panel Connector</b>	For external monitor/control via PC or PLC. Control signals include lamp off, shutter open, and hour meter reset. Monitoring signals include lamp ignited and lamp ready.
	<b>Constant Lamp Power</b>	Power supply maintains constant lamp power regardless of variations in AC input or lamp voltages, provides stable light output, repeatable cure times, and long lamp life.
	<b>Ultra High Intensity</b>	Initial lamp intensity of > 21W/cm <sup>2</sup> UVA typical, > 30W/cm <sup>2</sup> from 300 to 550 nm. Quick change lamp/reflector module, < 1 minute replacement time.
	<b>Safety Interlocks</b>	The S20's shutter closes automatically if the light guide is removed, power is disconnected if the lamp cover is removed.

<b>General</b>			
	Model	S20	
	Order Number	290029	290028
<b>Power Supply</b>			
	AC Input Voltage	100-120VAC ± 10%	200-240VAC ± 10%
	AC Input Current (max)	4.7 Amperes	2.5 Amperes
	Source Input Frequency	47 Hz to 63 Hz	
	Lamp Power Regulation	± 1.0%	Adjustable, 60 to 100%
	Fan / Auxiliary Voltage	24V@0.5A	
	Protection	Inrush current limit, Line voltage surge, Short circuit, Open circuit, Hot re-strike, Over temperature Ignition retry timeout	3 minutes
<b>Lamp</b>			
	Lamp Type	200 Watt mercury	Short arc, quick-change
	Lamp Voltage	40VDC @ 5Amps	
	Burning Position	Horizontal	
	Radiation Flux	275 - 650 nm	
	Warm-up Time	1 to 2 minutes	Ready LED notification
	Cooling time before Restart	2 to 5 minutes typical	Lamp protection prevents restart of hot lamp
	Output Intensity (typical)	>21W/cm <sup>2</sup>	Initial, at end of light guide
	Output Intensity Range	25-100% combined	Control knob & guide depth
	Lamp Life	>2000 hours typical	Affected by number of on/off cycles
<b>Environmental</b>			
	Operating Temperature	+10 °C to +40 °C (+50 °F to +104 °F)	
	Storage Temperature	0 °C to +60 °C (+32 °F to +140 °F)	
	Relative Humidity	30 to 75% operating, 10 to 100% storage	Non-condensing
	Cooling	Dual DC fans, filtered	Lamp IR controlled
	Over-temp shutdown	65 °C (internal)	
<b>Dimensions</b>			
	L x W x H (inches)	10.51" x 8.64" x 4.05"	w/o light guide and pedal
	Weight (lbs.)	5.92 Pounds	w/o light guide and pedal