

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/cm² of intensity at the tip of the light-guide (and 27W/cm² 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/cm² 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.



FEATURES	Accurate 1 to 99 second	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.
	Front Panel Locking Intensity Control	This uv light system has a power adjustment range 60 to 100%.
	Front Panel Hour Meter	An hour meter for lamp replacement scheduling, lamp Ignited indicator illuminates when the lamp is lit, and lamp ready LED signals warm-up complete.
	Rear Panel Connector	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.
	Constant Lamp Power	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.
	Ultra High Intensity	Initial lamp intensity of > 21W/cm ² UVA typical, > 30W/cm ² from 300 to 550 nm. Quick change lamp/reflector module, < 1 minute replacement time.
	Safety Interlocks	The S20's shutter closes automatically if the light guide is removed, power is disconnected if the lamp cover is removed.

General			
	Model	S20	
	Order Number	290029	290028
Power Supply			
	AC Input Voltage	100-120VAC \pm 10%	200-240VAC \pm 10%
	AC Input Current (max)	4.7 Amperes	2.5 Amperes
	Source Input Frequency	47 Hz to 63 Hz	
	Lamp Power Regulation	\pm 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
Lamp			
	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)	$>21\text{W}/\text{cm}^2$	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
Environmental			
	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)	
Dimensions			
	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