

## December 2008

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Dear Friends,

What had started out as a simple research project has revealed something interesting. I asked James Otto, Bench Tech for the Beau Rivage Casino, if he could help me with some research. I wanted to find out exactly how much power was consumed by the various makes and models of slot machines on today's gaming floor. I thought it would be informative in order to balance out the loads when installing banks of machines. Just how many can you put on one power strip or one circuit-breaker? The results are published below.

As a surprise bonus (and a tip o' the hat to Mr. Otto's attention to detail in his report) there is something that just jumps off the page at you. If you are looking for an immediate and substantial cost savings for your casino, you can begin right now by looking into using LEDs for general illumination in your slot machines. Look at the yellow highlighted area below. Close to 50 watts (49.2) was saved in one S2000 alone by using LED lighting. When you do the math, that's 438 kilowatts per year for 24/7 operation. I don't know what you pay for power but DOE reports a US average of around a dime per kWh. This figure is somewhat skewed by Hawaii at .32/kWh. Regardless, you can save \$40-50 per year per machine. This does not even include the almost total elimination of replacement costs for tubes and ballasts as LEDs can go 50,000 hours MTBF and, unlike CCFLs, there are no ballasts to worry about.

*Randy Fromm*  
**Randy Fromm - Publisher**

MFG	MODEL	POWER @ idle	NOTES
IGT	Jepordy	159.6	top box
	S2000	135.6	
	S2000 LED	86.4	LED lamps installed
	WOF	207.6	top wheel
	Trimline	244.8	2 monitors
	AVP Server Based	252	2 monitors and topper
	Game King	132	
	S2000 Top Dollar	162	
	AVP Slant	240	
	S2000	144	progressive stand alone
Aristocrat	Mark5		short top
	Mark5		high top w/CRT
	Mark5	112.8	high top w/LCD
	Mark5	154.8	Millioniser
Bally	Alpha	205.2	reel/monitor
	Alpha	150	1 monitor
	S6000	172.8	
	S6000	186	2 progressive meters
	S6000	266.4	Quarter Millions
	S6000	242.4	Monti Carlo
	Bally Slant	196.8	
WMS	Blue Bird	148.8	Progressive Wiz of Oz
	Blue Bird	213.6	2 monitors
	Blue Bird	211.2	reel game with topper
	Blue Bird	122.4	1 monitor
Konami	Reel	106.9	
	Reel	103.2	CCFL replaced by LED conversion



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### Randy Fromm's Slot Tech Magazine

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Slot Tech Magazine is published  
monthly by  
Slot Tech Magazine  
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El Cajon, CA 92020-2827  
tel.619.593.6131 fax.619.593.6132  
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##### Domestic (North America)

1 year - \$60.00

2 years - \$120.00

##### International

1 year - \$120.00

2 years - \$240.00

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